## **Product Datasheet**

### beta-Catenin Antibody (6F9) - Azide and BSA Free NBP2-54543-100ug

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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#### NBP2-54543-100ug

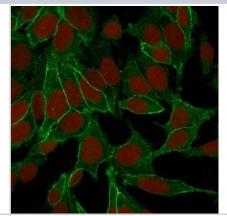
beta-Catenin Antibody (6F9) - Azide and BSA Free

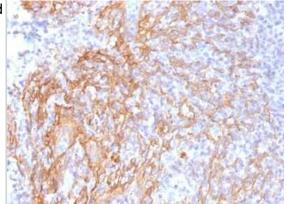
| intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin<br>complexes play an important role mediating cellular adhesion. Alpha-catenin was<br>initially described as an E-cadherin-associated protein, and has been shown to<br>associate with other members of the cadherin family, such as N-cadherin and P-<br>cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin,  |                             |   |  |
|---|-----------------------------|---|--|
| Concentration         1 mg/ml           Storage         Store at -20 to -80C. Avoid freeze-thaw cycles.           Clonality         Monoclonal           Clone         6F9           Preservative         No Preservative           Isotype         IgG1 Kappa           Purity         Protein A or G purified           Buffer         10 mM PBS           Target Molecular Weight         92 kDa           Product Description         1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide. INSO a   | Product Information         |   |  |
| Storage         Stora at -20 to -80C, Avoid freeze-thaw cycles.           Clonality         Monoclonal           Clone         6F9           Preservative         No Preservative           Isotype         IgG1 Kappa           Purity         Protein A or G purified           Buffer         10 mM PBS           Target Molecular Weight         92 kDa           Product Description         Description           Description         1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53360).           Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.           Host         Mouse           Gene ID         1499           Gene Symbol         CTNNB1           Species         Human, Bovine, Canine, Chicken           Specificity/Sensitivity         This monoclonal antibody recognizes a protein of 92kDa, which is identified as beta-catenin. It shows no cross-reaction with gamma-catenin (also known as piakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Tanget Human, Bovine, Canine, Chicken           Specificity/Sensitivity         This monoclonal antibody recognizes a protein of 92kDa, which is identified as beta-catenin. It shows no cross-reaction with gamma-catenin (also known as pinkoglobin). The catenins, alpha, beta and genumico   | Unit Size                   | 100 ug  |  |
| Clonality         Monoclonal           Clone         6F9           Preservative         No Preservative           Isotype         IgG1 Kappa           Purity         Protein A or G purified           Buffer         10 mM PBS           Target Molecular Weight         92 kDa           Product Description         1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G.           Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53360).           Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.           Host         Mouse           Gene ID         1499           Gene Symbol         CTNNB1           Species         Human, Bovine, Canine, Chicken           Specificity/Sensitivity         This monoclonal antibody recognizes a protein of 92kDa, which is identified as blacatentin. It shows no arosscreaction with gamma-catenin (also known as plakoglobin). The catenins, alpha, beta and gamma bito to the highly conserved, in tracellular cytoplasmic tail of E-cadherin. Together, the catenini. as been shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin Associates with their members of the cadherin and precedimentacedherin complexes play an important role mediating cellular adhesion. Alpha-catenin (Associate with other members of the cadherin as an adhesion molecule. Beta-catenin has also been found in complexes with the tumor suppressor protein APC.           Immu  | Concentration               | 1 mg/ml   |  |
| Clone       6F9         Preservative       No Preservative         Isotype       IgG1 Kappa         Purity       Protein A or G purified         Buffer       10 mM PBS         Target Molecular Weight       92 kDa         Product Description       1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G.<br>Prepared in 10mM PBS W1THOUT BSA & azide. Also available at 200 ug/ml<br>WUTH BSA & azide. Also available at 200 ug/ml         Description       1.0 mg/ml of antibody PWTHOUT BSA & azide. Also available at 200 ug/ml         MUTH BSA & azide (NBP2-53360).       Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to<br>-80C.         Host       Mouse         Gene ID       1499         Gene Symbol       CTNNB1         Species       Human, Bovine, Canine, Chicken         Specificity/Sensitivity       This monoclonal antibody recognizes a protein of 92kDa, which is identified as<br>beta-caterini. It shows no cross-reaction with garma-caterini. (also known as<br>plakoglobin). The catenines, alpha, beta and garma bind to the highly conserved,<br>intracellular cytoplasmic tail of E-cadherin. Together, the cateninicadherin<br>complexes play an important role mediating cellular adhesion. Alpha-caterini and P-<br>cadherin. Beta-caterini tas also been found in complexes with the tumor suppressor protein<br>APC.         Immunogen       Recombinant chicken beta-Caterini (Uniprot: P35222)         Product Application Details       Mestern Blot, Flow Cytome  | Storage                     | Store at -20 to -80C. Avoid freeze-thaw cycles.   |  |
| Preservative         No Preservative           Isotype         IgG1 Kappa           Purity         Protein A or G purified           Buffer         10 mM PBS           Target Molecular Weight         92 kDa           Product Description         92 kDa           Description         1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G.<br>Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml<br>WITH BSA & azide (NBP2-53360).           Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to<br>-80C.           Host         Mouse           Gene ID         1499           Gene Symbol         CTNNB1           Specificity/Sensitivity         This monoclonal antibody recognizes a protein of 92kDa, which is identified as<br>beta-catenin. It shows no cross-reaction with gamma-catenin (also known as<br>piakoglobin). The catenina, alpha, beta and gamma bind to the highly conserved,<br>intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin and p-<br>cadherin. Beta-catenin associates with the cytoplasmic tail and bas been shown to<br>associate with other members of the cadherin fastion molecule. Beta-<br>catenin has also been found in complexes with the tumor suppressor protein<br>APC.           Immunohistochemistry. Immunohytochemistry/ Immunofluorescence,<br>Immunohistochemistry, Immunohytochemistry/Immunofluorescence, 1-2 ug/ml,<br>Immunohistochemistry, Immunohytochemistry/Immunofluorescence 1-2 ug/ml,<br>Immunohistochemistry (Formalin-fixed): 1-20g/ml for 30 minutes at RT. Staining<br>of formalin-fixed tissues requires heating tissue sections in fmM EDTA,   | Clonality                   | Monoclonal  |  |
| Isotype       IgG1 Kappa         Purity       Protein A or G purified         Buffer       10 mM PBS         Target Molecular Weight       92 kDa         Product Description       1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53360).         Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.         Host       Mouse         Gene ID       1499         Gene Symbol       CTNNB1         Specificity/Sensitivity       This monoclonal antibody recognizes a protein of 92kDa, which is identified as beta-catenin. It shows no cross-reaction with gamma-catenin (also known as plakoglobin). The catenina, alpha, beta and gamma bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin associated protein, and has been shown to associate with other members of the cadherin fragesciated protein, and has been shown to associate with other members of the cadherin as also been found in complexes with the tumor suppressor protein APC.         Immunogen       Recombinant chicken beta-Catenin (Uniprot: P35222)         Product Application Details       Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry/Paraffin, CyTOF-ready         Application Notes       Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. 54 minu for 45 minutes.  | Clone                       | 6F9   |  |
| Purity         Protein A or G purified           Buffer         10 mM PBS           Target Molecular Weight         92 kDa           Product Description         1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G.<br>Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml<br>WITH BSA & azide (NBP2-53360).           Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to<br>-80C.           Host         Mouse           Gene ID         1499           Gene Symbol         CTNNB1           Species         Human, Bovine, Canine, Chicken           Species         Human, Bovine, Canine, Chicken           Specificity/Sensitivity         This monoclonal antibody recognizes a protein of 92kDa, which is identified as<br>beta-catenin aspha, beta and gamma-catenin (also known as<br>plakoglobin). The catenins, alpha, beta and gamma-catenin wason as<br>plakoglobin). The catenina sociates with the cytoplasmic option of E-cadherin acdenin actenin /cadherin<br>acadherin. Beta-catenin associates with othe highly conserved,<br>intracellular cytoplasmic trail of E-cadherin, and has been shown to<br>associate with other members of the cadherin family, such as N-cadherin and P-<br>cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin and P-<br>cadherin. Beta-catenin associate with other members of the cadherin as an adhesion molecule. Beta-<br>catenin has also been found in complexes with the tumor suppressor protein<br>APC.           Immunogen         Recombinant chicken beta-Catenin (Uniprot: P35222)           Product Application Detaills         Western   | Preservative                | No Preservative   |  |
| Buffer       10 mM PBS         Target Molecular Weight       92 kDa         Product Description       1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G.<br>Prepared in 10mM PBS WITH/OUT BSA & azide. Also available at 200 ug/ml<br>WITH BSA & azide (NBP2-53360).         Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to<br>-80C.         Host       Mouse         Gene ID       1499         Gene Symbol       CTNNB1         Species       Human, Bovine, Canine, Chicken         Specificity/Sensitivity       This monoclonal antibody recognizes a protein of 92kDa, which is identified as<br>beta-catenin. It shows no cross-reaction with gamma-catenin (also known as<br>plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved,<br>intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin<br>complexes play an important role mediating cellular adhesion. Alpha-catenin was<br>initially described as an E-cadherin family, such as N-cadherin and P-<br>cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin and<br>APC.         Immunogen       Recombinant chicken beta-Catenin (Uniprot: P35222)         Product Application Details       Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence,<br>Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, I<br>mmunohistochemistry, Immunocytochemistry/ Immunofluorescence,<br>Immunohistochemistry, Paraffin 1 - 2 ug/ml, CyTOF-ready         Application Notes       Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining<br>of formalin-fixed tissues requires heating tissues  | Isotype                     | IgG1 Kappa  |  |
| Target Molecular Weight       92 kDa         Product Description <ul> <li>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA &amp; azide. Also available at 200 ug/ml WITH BSA &amp; azide (NBP2-53360).</li> <li>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</li> </ul> Host         Mouse           Gene ID         1499           Gene Symbol         CTNNB1           Species         Human, Bovine, Canine, Chicken           Specificity/Sensitivity         This monoclonal antibody recognizes a protein of 92kDa, which is identified as beta-catenin. It shows no cross-reaction with gamma-catenin (also known as plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. Alpha-catenin was initially described as an E-cadherin family, such as N-cadherin and P-cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin and P-cadherin has also been found in complexes with the turnor suppressor protein APC.           Immunogen         Recombinant chicken beta-Catenin (Uniprot: P35222)           Product Application Details         Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry, I  | Purity                      | Protein A or G purified   |  |
| Product Description <ul> <li>1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA &amp; azide. Also available at 200 ug/ml WITH BSA &amp; azide (NBP2-53360).</li> <li>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</li> </ul> Host         Mouse <ul> <li>Gene ID</li> <li>1499</li> <li>Gene Symbol</li> <li>CTNNB1</li> </ul> Species         Human, Bovine, Canine, Chicken             Specificity/Sensitivity <ul> <li>This monoclonal antibody recognizes a protein of 92kDa, which is identified as beta-catenin. It shows no cross-reaction with gamma-catenin (also known as plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin, and has been shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin. Beta-catenin was becadherin as an adhesion molecule. Beta-catenin has also been found in complexes with the tumor suppressor protein APC.</li> <li>Immunogen</li> <li>Recombinant chicken beta-Catenin (Uniprot: P35222)</li> <li>Product Application Details</li> <li>Applications</li> <li>Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry (Formalin-fixed): 1-2 ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.</li> </ul> <th>Buffer</th> <th>10 mM PBS</th>   | Buffer                      | 10 mM PBS   |  |
| Description       1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G.<br>Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml<br>WITH BSA & azide (NBP2-53360).         Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to<br>-80C.         Host       Mouse         Gene ID       1499         Gene Symbol       CTNNB1         Species       Human, Bovine, Canine, Chicken         Specificity/Sensitivity       This monoclonal antibody recognizes a protein of 92kDa, which is identified as<br>beta-catenin. It shows no cross-reaction with gamma-catenin (also known as<br>plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved,<br>intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin<br>complexes play an important role mediating cellular adhesion. Alpha-catenin was<br>initially described as an E-cadherin associated protein, and has been shown to<br>associate with other members of the cadherin family, such as N-cadherin and P-<br>cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin,<br>which is necessary for the function of E-cadherin as an adhesion molecule. Beta-<br>catenin has also been found in complexes with the tumor suppressor protein<br>APC.         Immunogen       Recombinant chicken beta-Catenin (Uniprot: P35222)         Product Application Details       Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence,<br>Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml,<br>Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml,<br>Immunohistochemistry-Paraffin 1 - 2 ug/ml, CyTOF-ready         Application Notes       Immunohistochemistry/ | Target Molecular Weight     | 92 kDa  |  |
| Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml         WITH BSA & azide (NBP2-53360).         Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.         Host       Mouse         Gene ID       1499         Gene Symbol       CTNNB1         Species       Human, Bovine, Canine, Chicken         Specificity/Sensitivity       This monoclonal antibody recognizes a protein of 92kDa, which is identified as beta-catenin. It shows no cross-reaction with gamma-catenin (also known as plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. Alpha-catenin was initially described as an E-cadherin-associated protein, and has been shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin and P-cadherin. Beta-catenin has also been found in complexes with the tumor suppressor protein APC.         Immunogen       Recombinant chicken beta-Catenin (Uniprot: P35222)         Product Application Detaills       Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry. Paraffin, CyTOF-ready         Application Notes       Immunohistochemistry (Formalin-fixed) 1-2 ug/ml, CyTOF-ready         Appl   | Product Description         |   |  |
| Gene ID       1499         Gene Symbol       CTNNB1         Species       Human, Bovine, Canine, Chicken         Specificity/Sensitivity       This monoclonal antibody recognizes a protein of 92kDa, which is identified as beta-catenin. It shows no cross-reaction with gamma-catenin (also known as plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. Alpha-catenin was initially described as an E-cadherin family, such as N-cadherin and P-cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. Beta-catenin has also been found in complexes with the tumor suppressor protein APC.         Immunogen       Recombinant chicken beta-Catenin (Uniprot: P35222)         Product Application Details       Applications         Applications       Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready         Recommended Dilutions       Western Blot 0.5 - 1 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry-Paraffin 1 - 2 ug/ml, CyTOF-ready         Application Notes       Immunohistochemistry (Formalin-fixed) 1 - 2 ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.   | Description                 | Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53360).<br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to  |  |
| Gene Symbol       CTNNB1         Species       Human, Bovine, Canine, Chicken         Specificity/Sensitivity       This monoclonal antibody recognizes a protein of 92kDa, which is identified as beta-catenin. It shows no cross-reaction with gamma-catenin (also known as plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. Alpha-catenin was initially described as an E-cadherin-associated protein, and has been shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. Beta-catenin has also been found in complexes with the tumor suppressor protein APC.         Immunogen       Recombinant chicken beta-Catenin (Uniprot: P35222)         Product Application Details       Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry/ Immunofluorescence, Immunohistochemistry, Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry/ Issue sections in 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.   | Host                        | Mouse   |  |
| Species       Human, Bovine, Canine, Chicken         Specificity/Sensitivity       This monoclonal antibody recognizes a protein of 92kDa, which is identified as beta-catenin. It shows no cross-reaction with gamma-catenin (also known as plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. Alpha-catenin was initially described as an E-cadherin-associated protein, and has been shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. Beta-catenin has also been found in complexes with the tumor suppressor protein APC.         Immunogen       Recombinant chicken beta-Catenin (Uniprot: P35222)         Product Application Details       Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready         Recommended Dilutions       Western Blot 0.5 - 1 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry, Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry, Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml, Immunohistochemistry, Formalin-fixed issue sections in 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.   | Gene ID                     | 1499  |  |
| Specificity/SensitivityThis monoclonal antibody recognizes a protein of 92kDa, which is identified as<br>beta-catenin. It shows no cross-reaction with gamma-catenin (also known as<br>plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved,<br>intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin<br>complexes play an important role mediating cellular adhesion. Alpha-catenin was<br>initially described as an E-cadherin-associated protein, and has been shown to<br>associate with other members of the cadherin family, such as N-cadherin and P-<br>cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin,<br>which is necessary for the function of E-cadherin as an adhesion molecule. Beta-<br>catenin has also been found in complexes with the tumor suppressor protein<br>APC.ImmunogenRecombinant chicken beta-Catenin (Uniprot: P35222)Product Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence,<br>Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot 0.5 - 1 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells,<br>Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml,<br>Immunohistochemistry. Paraffin 1 - 2 ug/ml for 30 minutes at RT. Staining<br>of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0,<br>for 45 min at 95C followed by cooling at RT for 20 minutes.  | Gene Symbol                 | CTNNB1  |  |
| beta-catenin. It shows no cross-reaction with gamma-catenin (also known as<br>plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved,<br>intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin<br>complexes play an important role mediating cellular adhesion. Alpha-catenin was<br>initially described as an E-cadherin-associated protein, and has been shown to<br>associate with other members of the cadherin family, such as N-cadherin and P-<br>cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin,<br>which is necessary for the function of E-cadherin as an adhesion molecule. Beta-<br>catenin has also been found in complexes with the tumor suppressor protein<br>APC.ImmunogenRecombinant chicken beta-Catenin (Uniprot: P35222)Product Application DetailsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence,<br>Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot, 5 - 1 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells,<br>Immunohistochemistry-Paraffin 1 - 2 ug/ml, CyTOF-readyApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining<br>of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0,<br>for 45 min at 95C followed by cooling at RT for 20 minutes.  | Species                     | Human, Bovine, Canine, Chicken  |  |
| Product Application DetailsApplicationsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence,<br>Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot 0.5 - 1 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells,<br>Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml,<br>Immunohistochemistry-Paraffin 1 - 2 ug/ml, CyTOF-readyApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining<br>of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0,<br>for 45 min at 95C followed by cooling at RT for 20 minutes.   | Specificity/Sensitivity     | beta-catenin. It shows no cross-reaction with gamma-catenin (also known as plakoglobin). The catenins, alpha, beta and gamma bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. Alpha-catenin was initially described as an E-cadherin-associated protein, and has been shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. Beta-catenin has also been found in complexes with the tumor suppressor protein |  |
| ApplicationsWestern Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence,<br>Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot 0.5 - 1 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells,<br>Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml,<br>Immunohistochemistry-Paraffin 1 - 2 ug/ml, CyTOF-readyApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining<br>of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0,<br>for 45 min at 95C followed by cooling at RT for 20 minutes.  | Immunogen                   | Recombinant chicken beta-Catenin (Uniprot: P35222)  |  |
| Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-readyRecommended DilutionsWestern Blot 0.5 - 1 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells,<br>Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml,<br>Immunohistochemistry-Paraffin 1 - 2 ug/ml, CyTOF-readyApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining<br>of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0,<br>for 45 min at 95C followed by cooling at RT for 20 minutes.  | Product Application Details |   |  |
| Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml,<br>Immunohistochemistry-Paraffin 1 - 2 ug/ml, CyTOF-readyApplication NotesImmunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining<br>of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0,<br>for 45 min at 95C followed by cooling at RT for 20 minutes.   | Applications                |   |  |
| of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.   | Recommended Dilutions       | Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 2 ug/ml,  |  |
|   | Application Notes           | of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.   |  |



#### Images

Immunocytochemistry/Immunofluorescence: beta-Catenin Antibody (6F9) - Azide and BSA Free [NBP2-54543] - Confocal immunofluorescence image of HeLa cells using beta-Catenin Antibody (6F9). Green (CF488) and Red Dot is used to label the nuclei.





Immunohistochemistry-Paraffin: beta-Catenin Antibody (6F9) - Azide and BSA Free [NBP2-54543] - Formalin-fixed, paraffin-embedded human Tonsil stained with Beta-Catenin (p120) Monoclonal Antibody (6F9).





#### Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112 USA Phone: 303.730.1950 Toll Free: 1.888.506.6887 Fax: 303.730.1966 nb-customerservice@bio-techne.com

#### **Bio-Techne Canada**

21 Canmotor Ave Toronto, ON M8Z 4E6 Canada Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402 canada.inquires@bio-techne.com

#### **Bio-Techne Ltd**

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449 Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

#### **General Contact Information**

www.novusbio.com Technical Support: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

#### Products Related to NBP2-54543-100ug

| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
|------------------|---|
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP2-61628PEP    | beta-Catenin Recombinant Protein Antigen                |

#### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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