

# Product Datasheet

## beta-Catenin Antibody (12F7) - Azide and BSA Free NBP2-80596

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-80596**

beta-Catenin Antibody (12F7) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	12F7
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	92 kDa

**Product Description**

<b>Host</b>	Mouse
<b>Gene ID</b>	1499
<b>Gene Symbol</b>	CTNNB1
<b>Species</b>	Human, Mouse, Rat, Duck, Chicken, Primate
<b>Immunogen</b>	Recombinant chicken beta Catenin fused to maltose binding protein. [UniProt# O42486]

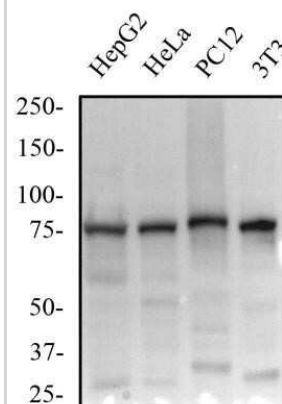
**Product Application Details**

<b>Applications</b>	Western Blot, Simple Western, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:1000, Simple Western 1:100, Flow Cytometry, Immunohistochemistry 1:100-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:100, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:100-1:200, Flow (Intracellular), CyTOF-ready
<b>Application Notes</b>	<p>This beta Catenin (12F7) antibody is useful for IHC-P sections, ICC/IF, IP and WB, where a band can be seen at approx. 92 kDa.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: antibody dilution of 1:100. Separated by Size-Wes, Sally Sue/Peggy Sue.</p>

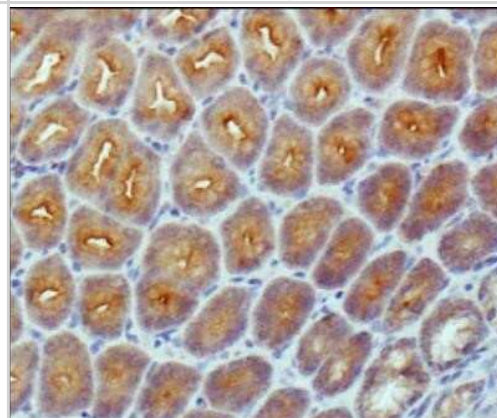


## Images

**Western Blot:** beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - Total protein from human HepG2 and HeLa cells, rat PC12 cells and mouse 3T3 cells was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1.0 ug/ml anti-Beta catenin in 1% non-fat milk in TBST and detected with an anti-mouse HRP secondary antibody using chemiluminescence. Image from the standard format of this antibody.



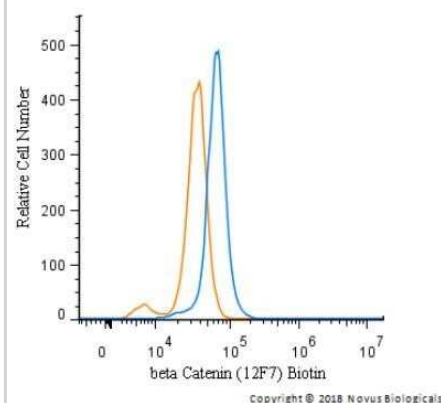
**Immunocytochemistry:** beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - Analysis of beta-Catenin in mouse intestine using DAB with hematoxylin counterstain. Image from the standard format of this antibody.



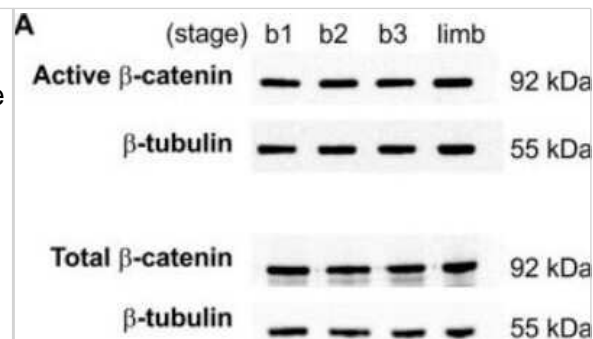
**Immunohistochemistry:** beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - Analysis of beta Catenin in mouse intestine using DAB with hematoxylin counterstain. Image from the standard format of this antibody.



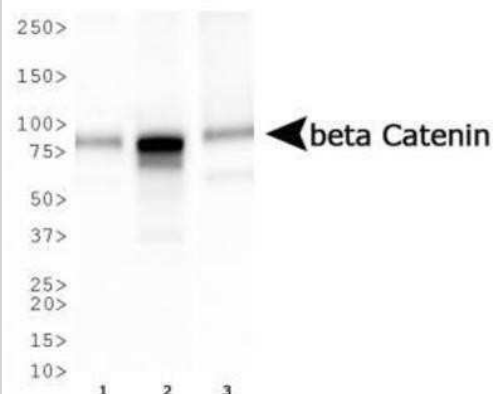
**Flow Cytometry:** beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - An intracellular stain was performed on SK-MEL-28 cells with beta-Catenin Antibody [12F7] NBP1-54467B (blue) and a matched isotype control (orange). Both antibodies were directly conjugated to Biotin. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature, followed by Streptavidin - R-Phycoerythrin Protein (2012-1000, Novus Biologicals). Image from the standard format of this antibody.



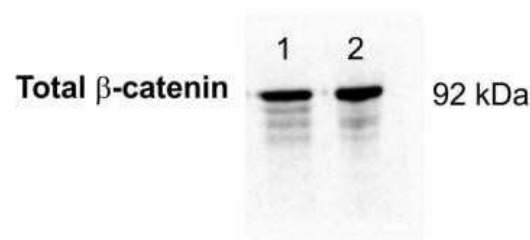
Western Blot: beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - Activity of Wnt/beta-catenin pathway in the embryonic chick lung. Western blot analysis of active and total beta-catenin in stage b1, b2 and b3 lungs, and stage 24 limb (as positive control). Control loading was performed using beta-tubulin (55 kDa). Total and active beta-catenin correspond to 92 kDa. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0112388>), licensed under a CC-BY license. Image from the standard format of this antibody.



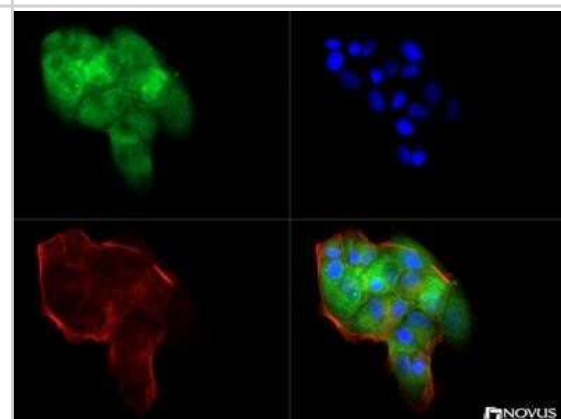
Western Blot: beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - Analysis of beta Catenin expression in 1) HepG2, 2) MCF7, and 3) Cos7 whole cell lysates using NBP1-54467. Image from the standard format of this antibody.



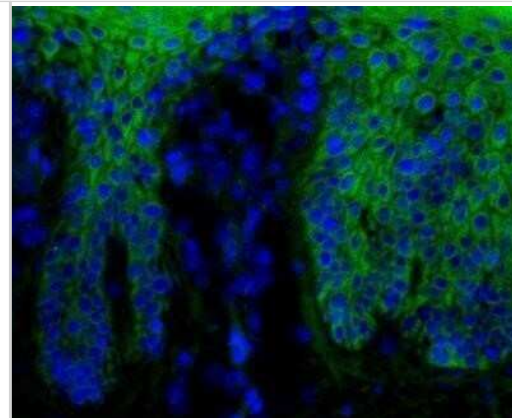
Western Blot: beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - Analysis of beta- Catenin in embryonic lung (lane 1) and embryonic limb (lane 2) lysates using anti-beta- Catenin antibody. Each lane was loaded with 5ug of protein sample. Image from verified customer review. Image from the standard format of this antibody.



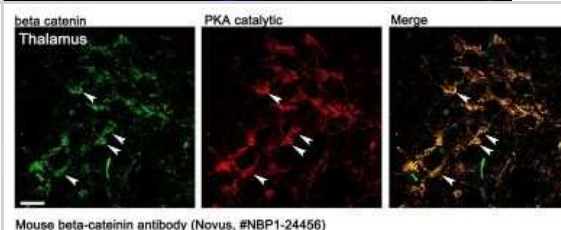
Immunocytochemistry/Immunofluorescence: beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - The beta- Catenin antibody was tested in MCF-7 cells against Dylight 488 (Green). Actin and nuclei were counterstained against Phalloidin 550 (Red) and DAPI (Blue). Image from the standard format of this antibody.



Immunohistochemistry: beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - Beta-catenin (green) was detected in human skin (psoriasis) using beta-catenin-FITC antibody (1:40) in PBS for 1 hour. Nuclei were stained with Dapi (blue). Image from verified customer review. Image using the FITC format of this antibody. Image from the

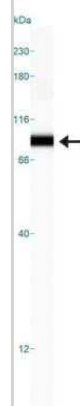


Immunohistochemistry: beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - IF beta-Catenin staining of mouse brain tissue. This image submitted by a verified customer review. Image from the standard format of this antibody.



Mouse beta-catenin antibody (Novus, #NBP1-24456)

Simple Western: beta-Catenin Antibody (12F7) - Azide and BSA Free [NBP2-80596] - Simple Western lane view shows a specific band for Beta- Catenin in 0.5 mg/ml of HepG2 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image from the standard format of this antibody.





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### **Products Related to NBP2-80596**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-61628PEP	beta-Catenin Recombinant Protein Antigen

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### **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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