

# Product Datasheet

## N-Cadherin Antibody (5D5) - BSA Free NBP1-51612

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-51612**

N-Cadherin Antibody (5D5) - BSA Free

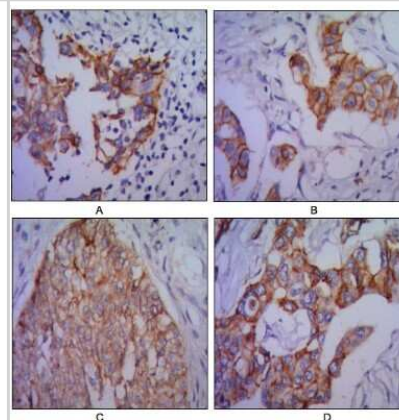
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	5D5
<b>Preservative</b>	0.03% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Unpurified
<b>Buffer</b>	Ascites
<b>Target Molecular Weight</b>	99.8 kDa

Product Description	
<b>Host</b>	Mouse
<b>Gene ID</b>	1000
<b>Gene Symbol</b>	CDH2
<b>Species</b>	Human, Mouse, Rat
<b>Marker</b>	Mesenchymal Cells Marker
<b>Immunogen</b>	Purified recombinant fragment of human N-Cadherin expressed in E. Coli.

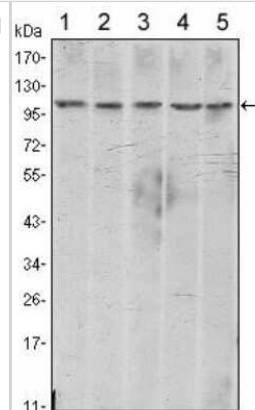
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200-1:400, Immunocytochemistry/ Immunofluorescence 1:200 - 1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000
<b>Application Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.

**Images**

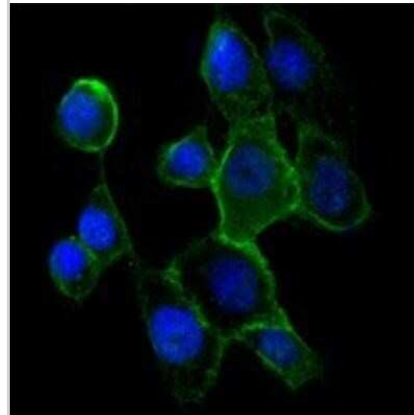
Immunohistochemistry-Paraffin: N-Cadherin Antibody (5D5) [NBP1-51612] - Analysis of human lung cancer (A), colon cancer (B), ovarian cancer (C) and mammary cancer(D), using CDH2 mouse mAb with DAB staining.



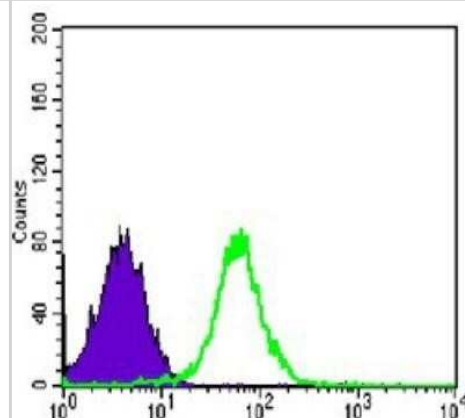
Western Blot: N-Cadherin Antibody (5D5) [NBP1-51612] - Analysis using CDH2 mouse mAb against A431 (1), NIH/3T3 (2), Hela (3), C6 (4) and LNCap (5) cell lysate.



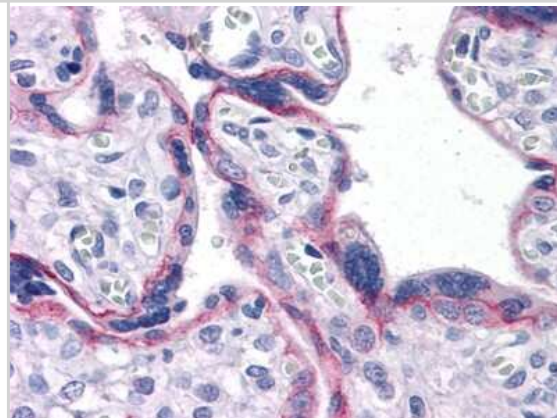
Immunocytochemistry/Immunofluorescence: N-Cadherin Antibody (5D5) [NBP1-51612] - Immunofluorescence analysis of A431 cells using CDH2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry: N-Cadherin Antibody (5D5) [NBP1-51612] - Analysis of PC-2 cells using CDH2 mouse mAb (green) and negative control (purple).



Immunohistochemistry-Paraffin: N-Cadherin Antibody (5D5) [NBP1-51612] - Analysis of human Placenta tissues using CDH2 mouse mAb



## Publications

Allen SC, Widman JA, Datta A, Suggs LJ Dynamic extracellular matrix stiffening induces a phenotypic transformation and a migratory shift in epithelial cells *Integr Biol (Camb)* 2020-05-30 [PMID: 32472133]

Basu M, Sengupta I, Khan W et al. Dual histone reader ZMYND8 inhibits cancer cell invasion by positively regulating epithelial genes. *Biochem. J.* 2017-04-21 [PMID: 28432260] (WB)



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### **Products Related to NBP1-51612**

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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)
NBP2-59927-50ug	Recombinant Human N-Cadherin His Protein

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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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