

Product Datasheet

beta-Catenin Antibody - BSA Free NBP1-89989

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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NBP1-89989

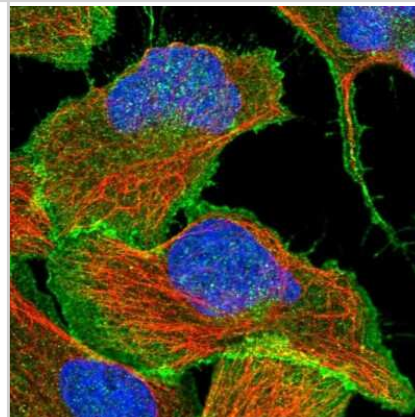
beta-Catenin Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit beta-Catenin Antibody - BSA Free (NBP1-89989) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-beta-Catenin Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1499
Gene Symbol	CTNNB1
Species	Human, Mouse, Rat, Fish
Reactivity Notes	Fish reactivity reported in scientific literature (PMID: 25502575).
Marker	Epithelial Cell Marker, Adherens Junction Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SYLDSGIHSGATTTAPSLSGKGNPEEEDVDTSQVLYEWEQGFSSQSFTQEQVA DIDGQYAMTRAQRVRAAMFPETLDEGMQIPSTQFDDAAH
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

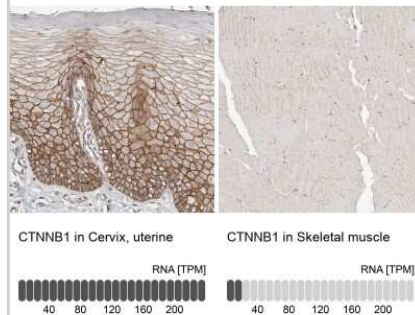


Images

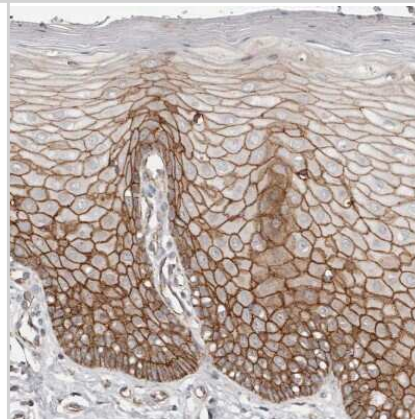
Immunocytochemistry/Immunofluorescence: beta-Catenin Antibody [NBP1-89989] - Staining of human cell line U-2 OS shows localization to plasma membrane. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: beta-Catenin Antibody [NBP1-89989] - Staining in human cervix, uterine and skeletal muscle tissues . Corresponding CTNNB1 RNA-seq data are presented for the same tissues.



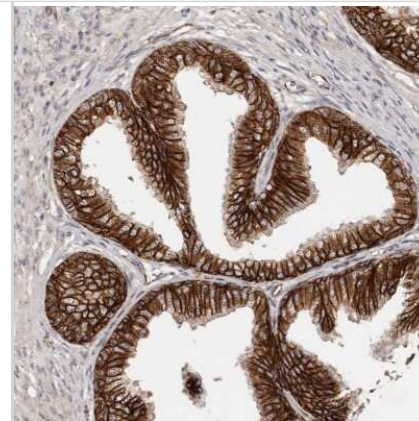
Immunohistochemistry-Paraffin: beta-Catenin Antibody [NBP1-89989] - Staining of human cervix, uterine shows moderate membranous positivity in squamous epithelial cells.



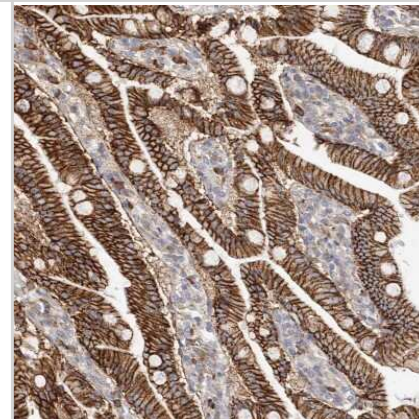
Immunohistochemistry-Paraffin: beta-Catenin Antibody [NBP1-89989] - Staining of human skeletal muscle shows weak positivity in myocytes.



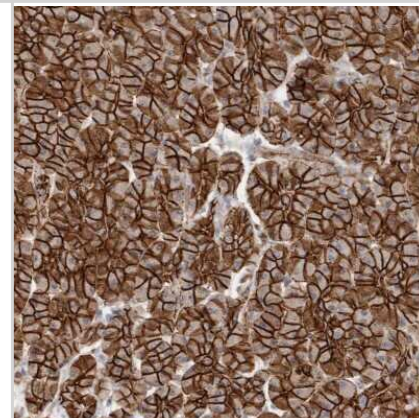
Immunohistochemistry-Paraffin: beta-Catenin Antibody [NBP1-89989] - Staining of human prostate shows moderate membranous positivity in glandular cells.



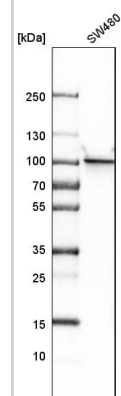
Immunohistochemistry-Paraffin: beta-Catenin Antibody [NBP1-89989] - Staining of human duodenum shows moderate membranous positivity in glandular cells.



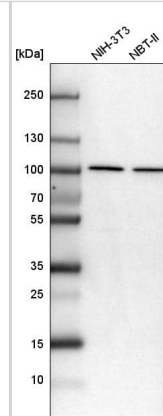
Immunohistochemistry-Paraffin: beta-Catenin Antibody [NBP1-89989] - Staining of human pancreas shows moderate membranous positivity in exocrine glandular cells.



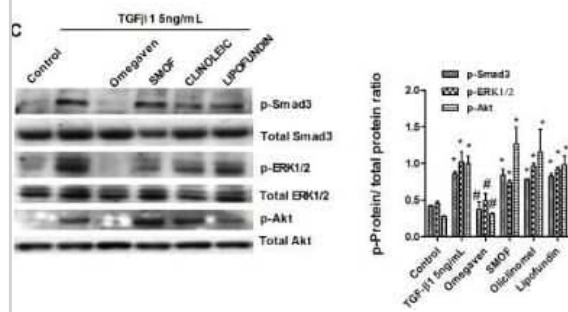
Analysis in human cell line SW480.



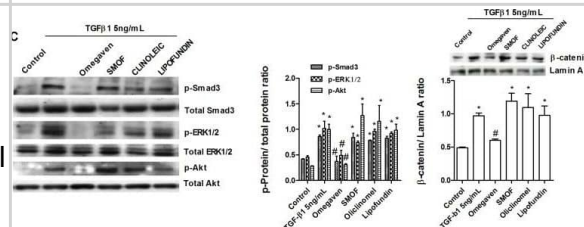
Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



beta-Catenin-Antibody-Western-Blot-NBP1-89989-img0026.jpg



Omegaven® inhibits epithelial to mesenchymal transition induced by TGFβ1. Human liver epithelial cell line THLE-3 was incubated in presence or absence of lipid emulsions Omegaven® 10%, Lipofundin MCT/LCT® 20%, ClinOleic® 20% or SMOFlipid® 20% at different dilutions, for 30 min followed by TGFβ1 5 ng/mL stimulation for additional 72 hours (A and B) or 25 min (C). (A) Expression of mRNA of ZO-1 and (B) E-cadherin. (C) Phosphorylation of Smad3, ERK1/2 and Akt and nuclear expression of β-catenin. Representative western blot are showed and quantified in graphic bars. Results are expressed as means +/- SEM of six independent experiments. *p<0.05 related to the control group. #p<0.05 related to the stimulus. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/25502575/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Pomares, A Tumorspheres as an in vitro model for cancer stem-like cell characterization in non-small cell lung cancer. Prognostic implications. Thesis 2020-01-01 (WB)

Pastor-Clerigues Alfonso, Marti-Bonmati Ezequiel, Milara Javier et al. Anti-inflammatory and anti-fibrotic profile of fish oil emulsions used in parenteral nutrition-associated liver disease. PLoS One. 2014-12-12 [PMID: 25502575] (Fish)

Milara J, Peiro T, Serrano A et al. Simvastatin Increases the Ability of Roflumilast N-oxide to Inhibit Cigarette Smoke-Induced Epithelial to Mesenchymal Transition in Well-differentiated Human Bronchial Epithelial Cells in vitro. COPD. 2014-09-10 [PMID: 25207459]



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Products Related to NBP1-89989

NBP1-89989PEP	beta-Catenin Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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