

Rabbit beta Catenin Polyclonal Antibody | anti-CTNNB1 antibody

Anti-beta Catenin Antibody

CATALOG # AAA72761	HOST Rabbit	REACTIVITY Mouse, Rat Expected Reactivity: Human	APPLICATIONS Immunocytochemistry, Western Blot
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PRODUCT SYNONYMS

beta Catenin; Polyclonal Antibody; Anti-beta Catenin Antibody; b-catenin antibody; Beta catenin antibody; Beta-catenin antibody; Cadherin associated protein antibody; Catenin (cadherin associated protein); beta 1; 88kDa antibody; Catenin beta 1 antibody; Catenin beta-1 antibody; CATNB antibody; CHBCAT antibody; CTNB1_HUMAN antibody; CTNNB antibody; CTNNB1 antibody; DKFZp686D02253 antibody; FLJ25606 antibody; FLJ37923 antibody; OTTHUMP00000162082 antibody; OTTHUMP00000165222 antibody; OTTHUMP00000165223 antibody; OTTHUMP00000209288 antibody; OTTHUMP00000209289 antibody; anti-CTNNB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat Expected Reactivity: Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Specific for endogenous levels of the ~ 92 kDa beta Catenin protein. Immunolabeling of the beta Catenin band is completely blocked by preadsorption of the antibody with the peptide used as antigen.
Form/Format	Liquid; Antigen Affinity Purified from Pooled Serum; 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 ug per ml BSA and 50% glycerol.
Applicable Applications for anti-CTNNB1 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen Species	Rat
Immunogen	Synthetic peptide corresponding to amino acid residues from the C-terminal region of rat beta Catenin, conjugated to keyhole limpet hemocyanin (KLH).
Country of Origin	United States
Production Notes	Prepared from pooled rabbit serum by affinity purification on a column made with the C-terminal peptide used as antigen.
Preparation and Storage	Storage at -20 degree C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20 degree C. After date of receipt, stable for at least 1 year at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CTNNB1 antibody	Anti-Beta Catenin chicken polyclonal primary antibody from Aves Labs is produced in-house. It detects human, mouse, and rat Beta Catenin, and is affinity-purified IgY. It is great for use in IHC, ICC, WB. beta Catenin, considered a moonlighting protein, is a component of mammalian cell adhesion complex in the cytoplasm along with playing a key downstream component of the canonical Wingless Int-1 (Wnt) signaling pathway in the nucleus (McTrea P.D et al, 1991 and Kemler R. et al, 1993). As part of a protein complex that forms adheren junctions, beta Catenin is necessary for the creation and maintenance of epithelial cell layers and barriers (Brembeck F.H. et al, 2006). beta Catenin is responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete (Brembeck F.H. et al, 2006). The Wnt/beta Catenin signaling pathway plays important roles in mammalian development (Logan C.Y. et al, 2004) and irregular regulation of this signaling pathway is associated with human diseases and cancers (Moon R.T., 2004). HIPK2 is a negative regulator of the Wnt signaling via the direct phosphorylation of beta Catenin at ser33/37 causing degradation (Kim E.A. et al, 2010). Additionally, stabilization of beta Catenin has been shown when AMPK phosphorylates at ser552 regulating energy metabolism to cell differentiation and development by enhancing the beta Catenin/TCF mediated transcription within the Wnt/betaCatenin signaling pathway (Zhao J. et al, 2010).
Product Categories/Family for anti-CTNNB1 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GeneID	84353
UniProt Accession #	P35222; Q9WU82
Molecular Weight	92kDa
UniProt Protein Name	Catenin beta-1
UniProt Gene Name	CTNNB1
UniProt Synonym Gene Names	CTNNB
UniProt Entry Name	CTNB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/beta-catenin-antibody-immunocytochemistry-western-blot-elisa/72761>