

Mouse Catenin, beta, active Monoclonal Antibody | anti-CTNNB1 antibody

Catenin, beta, active (ABC) (BSA, Azide & Glycerol Free)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14699	Mouse	Human, Mouse, Rat	ELISA, Western Blot, Immunohistochemistry, Immunocytochemistry

PRODUCT SYNONYMS

Catenin; beta; active; Monoclonal Antibody; active (ABC) (BSA; Azide & Glycerol Free); Anti -Catenin; anti-CTNNB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3C196
Specificity	Epitope corresponds to amino acid residues 36-44 (HSGATTAP) of human beta-catenin, Mr 92kD. Specific for the active form of beta-catenin, nonphosphorylated on Ser37 and Thr41.1 A non-specific protein, Mr 130kD, was also detected when used at higher concentrations. Species Crossreactivity: Human, mouse and rat, NOT Drosophila.
Purity/Purification	Purified by Protein G affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.4 No stabilizing proteins added. No preservative added. Also available w/ azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-CTNNB1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Application Notes	Suitable for use in Immunohistochemistry, Western Blot, Immunocytochemistry and Flow Cytometry. Other applications not tested. Immunohistochemistry (Paraffin): Detects b-Catenin in mouse embryo sections. Requires HIER using sodium citrate buffer pH6.0 Immunocytochemistry: Shows positive staining in LiCl-treated 293T cells fixed with methanol. Western Blot: 0.2-2ug/ml; A431 cell lysate was resolved by electrophoresis, transferred to nitrocellulose and probed with AAA14699. Proteins were visualized using an IgG (HRP) goat anti-mouse and a chemiluminescence detection system. Flow Cytometry: 1ug/ml Optimal dilutions to be determined by the researcher.
Grade	Affinity Purified
Immunogen	Fusion protein corresponding to residues 1-100 of human beta-catenin with a C-terminal histidine tag. The immunizing sequence is identical in mouse and rat, has 99/100 identical amino acids in pig, 97/100 identical amino acids in frog and chicken, and 91/100 identical amino acids in zebrafish.
Preparation and Storage	May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)
WB: A431 cell lysate was probed with anti-Catenin, beta, active (ABC). Arrow indicates beta-Catenin (92kD)

ADDITIONAL INFORMATION

Related Product Information for anti-CTNNB1 antibody	Catenins are proteins found in complexes with cadherin cell adhesion molecules of animal cells. The first two catenins that were identified became known as alpha-catenin and beta-catenin. alpha-catenin can bind to beta-catenin and can also bind actin. beta-catenin binds the cytoplasmic domain of some cadherins. When beta-catenin was sequenced it was found to be a member of the armadillo family of proteins. These proteins have multiple copies of the so-called armadillo repeat domain which is specialized for protein-protein binding. An increase in beta-catenin production has been noted in those people who have Basal Cell Carcinoma and leads to the increase in proliferation of related tumors. When beta-catenin is not associated with cadherins and alpha-catenin, it can interact with other proteins such as Catenin Beta Interacting Protein 1 (ICAT) and adenomatosis polyposis coli (APC). Recent evidence suggests that beta-catenin plays an important role in various aspects of liver biology including liver development (both embryonic and postnatal), liver regeneration following partial hepatectomy. HGF-induced hepatpomegaly, liver zonation, and pathogenesis of liver cancer.
Product Categories/Family for anti-CTNNB1 antibody	Antibodies; Abs to Catenin

NCBI AND UNIPROT INFORMATION

NCBI GI #	115497488
NCBI GeneID	539003
NCBI Accession #	NP_001069609.1
NCBI GenBank Nucleotide #	NM_001076141.1
UniProt Accession #	Q0VCX4; A7E3R2
NCBI Official Full Name	catenin beta-1
NCBI Official Synonym Full Names	catenin (cadherin-associated protein), beta 1, 88kDa<
NCBI Official Symbol	CTNNB1
NCBI Protein Information	catenin beta-1; beta-catenin
UniProt Protein Name	Catenin beta-1
UniProt Gene Name	CTNNB1
UniProt Entry Name	CTNB1_BOVIN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/catenin-beta-active-antibody-clone-3c196-western-blot-immunohistochemistry-immunocytochemistry-elisa/14699>