

anti-Human B-catenin Antibody | anti-CTNNB1 antibody

Anti-B-catenin [3B1D11A8]

CATALOG # AAA72391	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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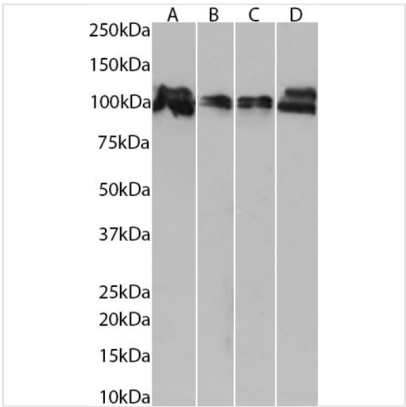
PRODUCT SYNONYMS

B-catenin; Anti-B-catenin [3B1D11A8]; CTNNB1; CTNNB; Catenin beta-1; Beta-catenin; CAT-5H10; CGMCC No. 19685; anti-CTNNB1 antibody

PRODUCT SPECIFICATIONS

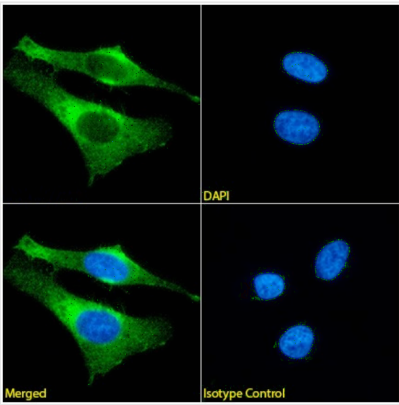
Reactivity	Human
Isotype	Rabbit IgG kappa
Clone Number	3B1D11A8
Specificity	This antibody binds human beta-catenin. The human beta-catenin acts as a multi-functional protein that plays a very important role in cell adhesion and Wnt signaling pathway mediated gene expression regulation. beta-catenin on the cell membrane can be combined with the cytoplasmic domain of E-Cadherin (E-CAD) to form an e-cadherin/beta-catenin complex, which mediates mutual adhesion between the same type. It acts as a key regulatory molecule in the Wnt signaling pathway and plays an important role in the occurrence/evolution of the embryonic development and tumor.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CTNNB1 antibody	IHC (Immunohistochemistry), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)

Western blot using anti-B-catenin antibody 3B1D11A8 . MCF7 (A) and Caco-2 (B) cells lysates, human skin (C), and human breast cancer (D) tissue lysates (35ug protein in RIPA buffer) were resolved via SDS-PAGE, and the subsequent blots were probed with the chimeric rabbit version of 3B1D11A8 (AAA72391) at 0.01ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1 hour was used, and proteins were detected by chemiluminescence.



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with anti-B-catenin antibody 3B1D11A8 . Immunofluorescence analysis of paraformaldehyde fixed HeLa cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of 3B1D11A8 (AAA72391) (1:100 dilution) for 1 hour followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing cytoplasmic and membrane staining. The nuclear stain is DAPI (blue). Panels show, from left to right, top to bottom, AAA72391, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CTNNB1 antibody	The original antibody was generated by immunizing BALB/c mice with human beta-catenin-KLH conjugate in Freund's non-complete adjuvant. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
Product Categories/Family for anti-CTNNB1 antibody	cell adhesion; signaling pathway; transcription regulation; cancer; oncology

NCBI AND UNIPROT INFORMATION

NCBI GI #	148233338
NCBI GeneID	1499
NCBI Accession #	NP_001091679.1
NCBI GenBank Nucleotide #	NM_001098209.1
UniProt Accession #	P35222; Q8NEW9; Q8NI94; Q9H391; A8K1L7
Molecular Weight	85,497 Da
NCBI Official Full Name	catenin beta-1
NCBI Official Synonym Full Names	catenin (cadherin-associated protein), beta 1, 88kDa
NCBI Official Symbol	CTNNB1
NCBI Official Synonym Symbols	CTNNB; MRD19; armadillo
NCBI Protein Information	catenin beta-1
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/human-antibody/b-catenin/72391>