Mouse anti-Human CTNNB1 Monoclonal Antibody | anti-CTNNB1 antibody

CTNNB1 (Catenin beta-1, Beta-catenin, CTNNB, OK/SW-cl.35, PRO2286) APC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24477	**Mouse**	**Human**	**ELISA, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

CTNNB1; Monoclonal Antibody; CTNNB1 (Catenin beta-1; Beta-catenin; CTNNB; OK/SW-cl.35; PRO2286) APC; anti-CTNNB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1C9
Specificity	Recognizes human CTNNB1.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Sequence Length	781
Applicable Applications for anti-CTNNB1 antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa682-781 from human CTNNB1 (AAH58926) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LFRTEPMAWNETADLGLDIGAQGEPLGYRQDDPSYRSFHSGGYGQDALGMDPMMEHEMGGHHPGADYPVDGLPDLGHAQDLMDGLPPGDSNQLAW
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of pr centrifuge the original vial prior to removing the cap.

IMAGES

WB (Western Blot)
Western Blot analysis of CTNNB1 expression in transfected 293T cell line by CTNNB1 monoclonal antibody. Lane 1: CTNNB1 transfected lysate (85.5kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
Western Blot detection against Immunogen (36.74kD).

Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between FLT1 and CTNNB1. Huh7 cells were stained with FLT1 rabbit purified polyclonal 1:1200 and CTNNB1 mouse monoclonal antibody 1:50. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.

Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between GSK3B and CTNNB1. HeLa cells were stained with GSK3B rabbit purified polyclonal 1:1200 and CTNNB1 mouse monoclonal antibody 1:50. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.

WB (Western Blot)
Western blot analysis of CTNNB1 over-expressed 293 cell line, cotransfected with CTNNB1 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with CTNNB1 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged CTNNB1 is 0.1ng/ml as a capture antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CTNNB1 antibody	Antibodies; Catenin

NCBI AND UNIPROT INFORMATION

NCBI GI #	37590638
NCBI GeneID	1499
NCBI Accession #	AAH58926
NCBI GenBank Nucleotide #	NM_001904
UniProt Accession #	P35222
NCBI Official Full Name	Catenin (cadherin-associated protein), beta 1, 88kDa
NCBI Official Synonym Full Names	catenin beta 1
NCBI Official Symbol	CTNNB1
NCBI Official Synonym Symbols	EVR7; CTNNB; MRD19; NEDSDV; 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://stage.aaabiotech.com/monoclonal/ctnnb1-antibody-clone-1c9-immunofluorescence-western-blot-elisa/24477