Mouse CTNNB1 Monoclonal Antibody | anti-CTNNB1 antibody

CTNNB1 antibody

CATALOG #	HOST	APPLICATIONS
AAA106460	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CTNNB1; Monoclonal Antibody; CTNNB1 antibody; Monoclonal CTNNB1; Anti-CTNNB1; Catenin beta 1; CTNNB; DKFZp686D02253; Beta catenin; CTNNB 1; CTNNB-1; anti-CTNNB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	9F6
Purity/Purification	CTNNB1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	781
Applicable Applications for anti-CTNNB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	CTNNB1 is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer.
Cross-Reactivity	Human, Dog
Immunogen	CTNNB1 antibody was raised in mouse using a full length recombinant protein of human CTNNB1 (NP_001895) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant CTNNB1 protein using CTNNB1 antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of CTNNB1 protein in paraffin embedded Human Kidney tissue using CTNNB1 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant CTNNB1 protein (Right) or empty vector (Left) detected with CTNNB1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CTNNB1 antibody	Mouse monoclonal CTNNB1 antibody
Product Categories/Family for anti-CTNNB1 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503131
NCBI GeneID	1499
NCBI Accession #	NP_001895
NCBI GenBank Nucleotide #	NM_001904.3
UniProt Accession #	P35222; Q8NEW9; Q8NI94; Q9H391; A8K1L7
Molecular Weight	9,501 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://stage.aaabiotech.com/monoclonal/ctnnb1-antibody-clone-9f6-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106460