

Rabbit CTNNB1 Polyclonal Antibody | anti-CTNNB1 antibody

CTNNB1 Antibody (C-term)

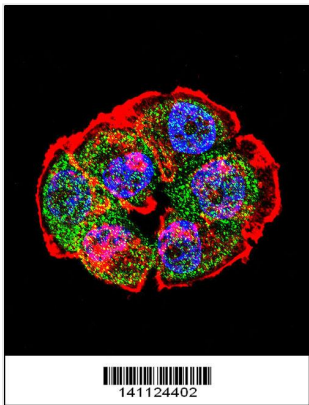
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28720	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Western Blot, ELISA, Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence

PRODUCT SYNONYMS

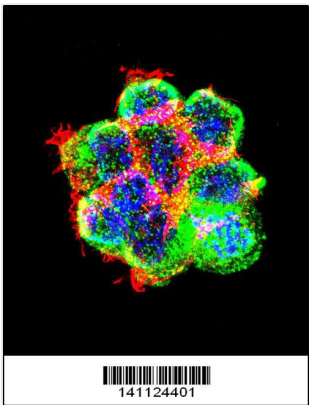
CTNNB1; Polyclonal Antibody; CTNNB1 Antibody (C-term); Catenin beta-1; Beta-catenin; CTNNB; anti-CTNNB1 antibody

PRODUCT SPECIFICATIONS

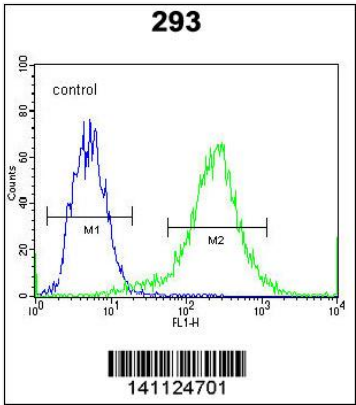
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CTNNB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 692-721 amino acids from the C-terminal region of human CTNNB1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 1.3 (varies by lot)
Sequence Positions	692-721
Sequence Length	781
Applicable Applications for anti-CTNNB1 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Application Notes	WB~~1:2000 IHC~~1:50 FC~~1:50 IF~~1:50
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



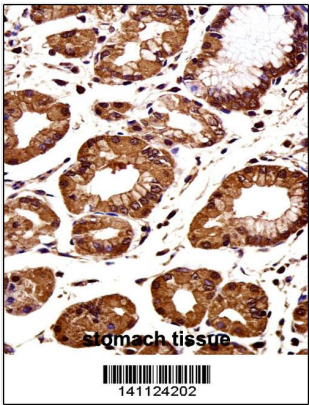
IF (Immunofluorescence)
Confocal immunofluorescent analysis of CTNNB1 Antibody (C-term) with T47D cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



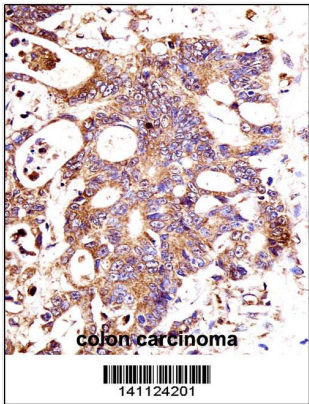
IF (Immunofluorescence)
Confocal immunofluorescent analysis of CTNNB1 Antibody (C-term) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



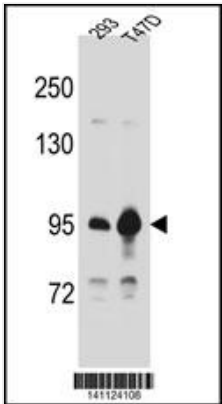
FCM (Flow Cytometry)
CTNNB1 Antibody (C-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).Alexa Fluor 488-conjugated donkey anti-rabbit IgG secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
CTNNB1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CTNNB1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



IHC (Immunohistochemistry)
CTNNB1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CTNNB1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CTNNB1 Antibody (C-term) western blot analysis in 293,T47D cell line lysates (35ug/lane).This demonstrates the CTNNB1 antibody detected the CTNNB1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CTNNB1 antibody	The protein encoded by this gene 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), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Three transcript variants encoding the same protein have been found for this gene.
Product Categories/Family for anti-CTNNB1 antibody	Cancer; Cardiovascular; Neuroscience; Signal transduction
References	Huang, W., et al. Mol. Cell. Biol. 30(19):4575-4594(2010) Chairoungdua, A., et al. J. Cell Biol. 190(6):1079-1091(2010) Mirza, M.K., et al. J. Exp. Med. 207(8):1675-1685(2010) Guo, Q., et al. Acta Biochim. Biophys. Sin. (Shanghai) 42(7):450-456(2010) Teng, Y., et al. Zhonghua Yi Xue Za Zhi 90(14):988-992(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	148233338
NCBI GeneID	1499
NCBI Accession #	NP_001091679.1; NP_001091680.1; NP_001895.1
NCBI GenBank Nucleotide #	NM_001098209.1
UniProt Accession #	P35222; Q8NEW9; Q8NI94; Q9H391; A8K1L7
Molecular Weight	85497
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/polyclonal/ctnnb1-antibody-western-blot-immunohistochemistry-flow-cytometry-immunofluorescence-elisa/28720>