

CTNNB1 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19559B

Product Information

Application	WB, E
Primary Accession	P35222
Other Accession	Q9WU82 , Q02248 , Q0VCX4 , NP_001091679.1
Reactivity	Human, Mouse
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB41124
Antigen Region	692-721

Additional Information

Other Names	Catenin beta-1, Beta-catenin, CTNNB1, CTNNB
Target/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.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CTNNB1 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

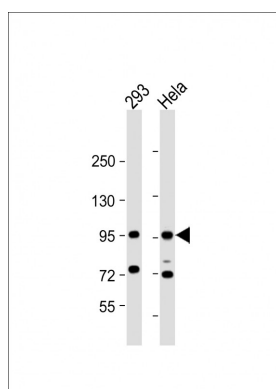
The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may 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), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Three transcript variants encoding the same protein have been found for this gene.

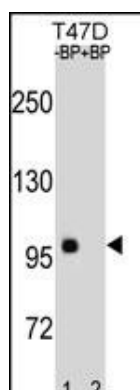
References

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)

Images



All lanes : Anti-CTNNB1Antibody(C-term) at 1:1000 dilution
Lane 1: 293 whole cell lysate Lane 2: HeLa whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 85 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.



CTNNB1 Antibody (C-term) (Cat. #AP19559b) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the CTNNB1 antibody detected the CTNNB1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.