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β-Catenin Polyclonal Antibody

Catalog No YP-Ab-16872 Isotype IgG Reactivity Mouse;Rat;Rabbit Applications WB Gene Name CTNNB1 CTNNB OK/SW-cl.35 PRO2286 Protein Name Catenin-β-b-catenin,Beta catenin;Beta-catenin;Cadherin associated protein), beta 1,88 kDa;Catenin beta protein;Catenin focal protein;Catenin beta protein;Catenin protein. Formulation PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatograpy using epitope-specific immunogen. Dilution WB: 1:2000-4000 Concentration 1 mg/ml Purity 290% Storage Stability -20°C/1 year Synonyms CTNNB1; CTNNB; OK/SW-cl.35; Catenin beta-1; Beta-catenin Observed Band 92kD Cell Pathway Cytoplasm, cytosk		
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protein;Catenin (cadherin associated protein), beta 1, 88 kDa:Catenin beta 1;Catenin beta 1;Catenin beta-1;CatNB;CHBCAT;CTNB1_HUMAN;CTNNB;CTNNB1;DKFZ Immunogen Recombinant Protein of Catenin beta-1	Gene Name	CTNNB1 CTNNB OK/SW-cl.35 PRO2286
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t(3;8)(p21;q12) with PLAG1.,disease:Activating mutations in CTNNB1 have oncogenic activity resulting in tumor development. Somatic mutations are found in various tumor types, including colon cancers, ovarian and prostate carcinomas, hepatoblastoma (HB), hepatocellular carcinoma (HCC). HBs are malignant embryonal tumors mainly affecting young children in the first three years of life.,disease:Defects in CTNNB1 are a cause of medulloblastoma (MDB) [MIM:155255]. MDB is a malignant, invasive embryonal tumor of the cerebellum with a preferential manifestation in children.,disease:Defects in CTNNB1 are a cause of pilomatrixoma (PTR) [MIM:132600]; a common benign skin tum

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2016],

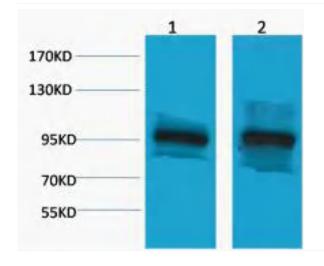
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of 1) 3T3, 2) Rat Liver, diluted at 1:2,000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000