



www.antageneinc.com

Mouse Monoclonal Antibody β Catenin conjugated to Sepharose Beads

CatalogNo: ANT8174-M

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamidemodified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

β Catenin (ANT0000R) Rabbit mAb

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

Host Species Rabbit 	• Human,Mouse,Rat,	ReactivityWB,IHC,IF,IP,ELISA	Applications
MW • 84kD (Calco 96kD (Observ	, , , , , , , , , , , , , , , , , , , ,	Isotype	

Recommended Dilution Ratios

Basic Inform	ation		
Clonality	Monoclonal		
Clone Number	ANT0000R		
Immunogen	Information		
Specificity	Endogenous		

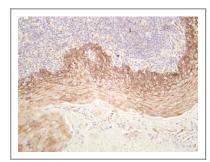
Target Information

	beta-1;CATNB;CHBCAT;CTNB1_HUMAN;CTNNB;CTNNB1;DKFZp6	86D02253;FLJ25606;FLJ37923;OTTHUMP00000162082;OTTHUMP000	000165222;OTTHUMP00000165223;OTTHUMP00000209288;OTTHUMP000002092
	Organism	Gene ID	UniProt ID
	Human	<u>1499;</u>	<u>P35222;</u>
Cellular Localization	Cytoplasm, Membrane		
	ressed in several hair follicle cell types: basal and peripheral matrix tissues (at protein level) (PubMed:29367600).	cells, and cells of the outer and inner root sheaths. Expressed in colo	n. Present in cortical neurons (at protein level). Expressed in breast cancer
	gland. Translocation t(3;8)(p21;q12) with PLAG1_Disease:Activatin cancers, ovarian and prostate carcinomas, hepatoblastoma (HB), MIN:1552551. pilomatrixoma (ANTR) [MIM:132600]; a common benign skin tum (MIM:167000]. Ovarian cancer is the leading cause of death from jusceral metastases. These typical features relate to the biology of pathway,online information:Beta-catenin entry,PTM:EGF stimulat prior phosphorylation of Ser-45 by another kinase. Phosphorylatio and TBL1X (Probable). Its ubiquitination leads to its subsequent pr unstabilized (high level of phosphorylation) or bound to CDH1. Tra separate pools are found in the cytoplasm: one is PSENJ/catherin that promotes phosphorylation on N-terminal Ser and Thr residue GSK3B. When GSK3B activity is inhibited the complex dissociates, members, TBP, BCL9 and possibly also RUVBL1 and CH0B. Binds CI via the PDZ domain); this interaction inhibits the transcriptional a Interacts with SLC30A9. Interacts with XIRP [0 similarity). Interac	g mutations in CTNNB1 have oncogenic activity resulting in tumor deve patocellular carcinoma (HCC). HBs are malignant embryonal tumors Bis a malignant, invasive embryonal tumors of the cerebellum with a or, Disease:Defects in CTNNB1 are associated with colorectal cancer (gymecologic malignancy. It is characterized by advanced presentation or the disease, which is a principal determinant of outcome., Function: In as tyrosine phosphorylation. Phosphorylation on Tyr-654 decreases CI on proceeds then from Thr-41 to Ser-37 and Ser-33, PTM:Ubiquitinate to desomal degradation., similarity:Belongs to the beta-catenin family, nslocates to the nucleus when it is stabilized (low level of phosphoryl (catenin complex which anchors to the actin cytoskeleton. The other js and ubiquitination of CTNNB1 via BTRC and its subsequent degradat TNNB1 is dephosphorylated and is no longer targeted for destruction NNBIP and EP300. CTNNB1 forms a ternary complex with LEF1 and EI tivity of CTNNB1 (by similarity). Interacts with ALP1, BALP1, CARM	morphic adenomas are the most common benign epithelial tumors of the salivary relopment. Somatic mutations are found in various tumor types, including colon mainly affecting young children in the first three years of life., Disease:Defects in preferential manifestation in children., Disease:Defects in CTNNB1 are a cause of CRC [MIM:114500], Disease:Defects in CTNNB1 are associated with ovarian cance with loco-regional dissemination in the peritoneal cavity and the rare incidence of volved in the regulation of cell adhesion and in signal transduction through the WJ binding and enhances TBP binding.,PTM:Phosphorylation by GSK38 requires d by a E3 ubiquitin ligase complex containing UBE2D1, SIAH1, CACYBP/SIP, SKP1A, / similarity:Contains 12 ARM repeats.,subcellular location:Cytoplasmic when it is tation). Interaction with GLIS2 and MUC1 promotes nuclear translocation.,subunit': sool is part of a large complex containing XMIN, AXIN2, APC, CSNK1A1 and GSK38 ion by the proteasome. Wnt-dependent activation of DVL antagonizes the action o. The stabilized protein translocates to the nucleus, where it binds TCF/LFF-1 fami 300 that is disrupted by CTNNBH1 binding (By similarity). Interacts with TAXIBP3 1, CTNNA3, CXADR and PCDH11Y. Binds SLC9A3R1. Interacts with GLIS2 and MUC1 ells, and cells of the outer and inner root sheats. Expressed in colon.,

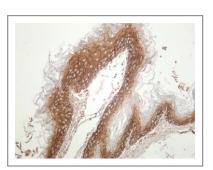
Validation Data

kDa	ACT	o Hels	රු	37A	
180 —					
130 -					
95 —		_		— — β Cateni	n
70 -	_	_		- poatem	
55 —					
40 —					
35 —					
25 —					
15 —					
10 -					

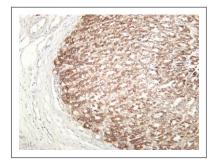
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti- β Catenin (ANT0000R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HCT116 Lane 2: Hela Lane 3: C6 Lane 4: U14 Predicted band size: 84kDa Observed band size: 96kDa



Human tonsil was stained with anti- β Catenin (ANT0000R) rabbit antibody



Mouse stomach was stained with anti- β Catenin (ANT0000R) rabbit antibody



Rat stomach was stained with anti- β Catenin (ANT0000R) rabbit antibody

For Research use only, not for diagnostics and clinical use Contact Antagene Inc Tel 1-866-964-2589 Email: info@antageneinc.com