

β Catenin (Phospho Thr41/Ser45) (PT0637R) PT™ Rabbit mAb

CatalogNo: YM8446 Recombinant 💦

Key Features

Host Species

Rabbit

MW • 86kD (Calculated) 92kD (Observed) Reactivity
• Human,Mouse,Rat,

Applications • WB,IF,IP,ELISA

• lgG,Kappa

Isotype

Recommended Dilution Ratios

WB 1:2000-1:10000 IF 1:200-1:1000 ELISA 1:5000-1:20000 IP 1:50-1:200

Storage

Storage*-15°C to -25°C/1 year(Do not lower than -25°C)FormulationPBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality	Monoclonal
Clone Number	PT0637R

Immunogen Information

Specificity Endogenous

Target Information

Gene name CTNNB1 CTNNB OK/SW-cl.35 PR02286

Protein Name

Name Catenin-B;b-catenin;Beta catenin;Beta-catenin;Cadherin associated protein;Catenin (cadherin associated protein), beta 1, 88 kDa;Catenin beta 1;Catenin beta 1;Catenin beta 1;CATNB;CHBCAT;CTNB1_HUMAN;CTNNB1;DKFZp686D02253;FLJ25606;FLJ37923;OTTHUMP00000162082;OTTHUMP00000165222;OTTHUMP00000165223;OTTHUMP00000209288;OTTHUMP00000209289

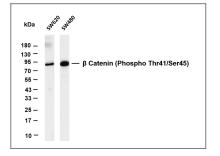
Organism	Gene ID	UniProt ID
Human	<u>1499;</u>	<u>P35222;</u>
Mouse	12387;	<u>Q02248;</u>
Rat	84353;	<u>Q9WU82;</u>

Cellular Membrane, Cytoplasm

Tissue specificity Expressed in several hair follicle cell types: basal and peripheral matrix cells, and cells of the outer and inner root sheaths. Expressed in colon. Present in cortical neurons (at protein level). Expressed in breast cancer tissues (at protein level) (PubMed:29367600).

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Function
Disease: A chromosomal rearrangement involving CTNNB1 may be a cause of Salivary gland pleiomorphic adenomas (PA) [181030]. Pleiomorphic adenomas are the most common benign epithelial tumors of the
salivary gland. Translocation (13:8)(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 (MB), hepatocellular carcinoma (HCC). HBs are malignant embryonal tumors mainy affecting young. Dildera in the first three years of
life., Disease: Defects in CTNNB1 are a cause of medulloblastoma (MB) [MM: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 plomatrixoma (PTR) [MM:132600]. a common benign shi tumor, Disease:Defects in CTNNB1 are associated with colorectal cancer (CR) (MM:114500). Ovarian cancer is the leading cause of death from gynecologic malignancy. It is characterized by advanced presentation with loco-regional dissemination in the
peritoneal cavity and the rare incidence of visceral metastases. These typical features relate to the biology of the disease, which is a principal determinant of outcome, Function:novoled in the regulation of Ser-45 by another kinase. Phosphorylation proceeds then from Thr-41 to Ser-37 and Ser-33, prM: Ubiquitoning and nances
TBP binding, PTM:Phosphorylation by GSX3B requires prior phosphorylation of Ser-45 by another kinase. Phosphorylation on the obsphorylation, similarity:Eelongs to the beta-catenin
family., similarity:Contains 12 ARM repeats, subcellular location:Cytoplasmic when it is unstabilized (high level of phosphorylation on ther pool is part of a large complex onclaining AXIN_AXIN_A, AXIA_APC, CSNK1A1 and GSX3B tat promotes phosphorylation on Nerminal Ser and Thr residues and ubiquitination leads
and its subsequent degradatio

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti- β Catenin (Phospho Thr41/Ser45) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: SW620 Lane 2: SW480 Predicted band size: 86kDa Observed band size: 92kDa

Contact information

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