Best Tools for immunology Research

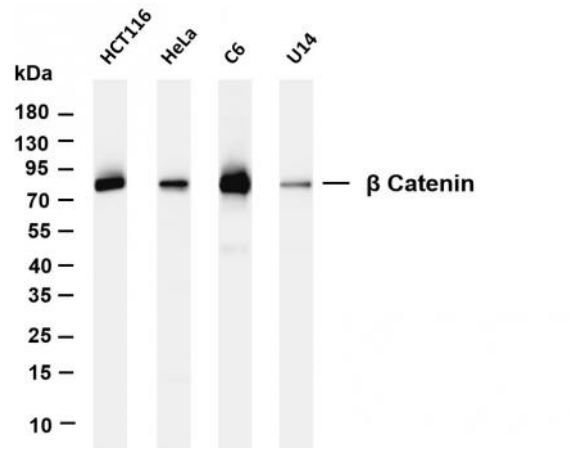
β Catenin (PT0300R) PT® Rabbit mAb

Catalog No :	YM8174
Reactivity :	Human; Mouse; Rat;
Applications :	WB;IHC;IF;IP;ELISA
Target :	Catenin-β
Fields :	>>Rap1 signaling pathway;>>Wnt signaling pathway;>>Hippo signaling pathway;>>Focal adhesion;>>Adherens junction;>>Signaling pathways regulating pluripotency of stem cells;>>Leukocyte transendothelial migration;>>Melanogenesis;>>Thyroid hormone signaling pathway;>>Cushing syndrome;>>Alcoholic liver disease;>>Alzheimer disease;>>Pathways of neurodegeneration - multiple diseases;>>Bacterial invasion of epithelial cells;>>Salmonella infection;>>Hepatitis C;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Pathways in cancer;>>Proteoglycans in cancer;>>Colorectal cancer;>>Endometrial cancer;>>Prostate cancer;>>Thyroid cancer;>>Basal cell carcinoma;>>Breast cancer;>>Hepatocellular carcinoma;>>Gastric cancer;>>Arrhythmogenic right ventricular cardiomyopathy;>>Fluid shear stress and atherosclerosis
Gene Name :	CTNNB1 CTNNB OK/SW-cl.35 PRO2286
Protein Name :	Catenin-β;b-catenin;Beta catenin;Beta-catenin;Cadherin associated protein;Catenin (cadherin associated protein), beta 1, 88 kDa;Catenin beta 1;Catenin beta-1;CATNB;CHBCAT;CTNB1_HUMAN;CTNNB;CTNNB1;DKFZ
Human Gene Id :	1499
Human Swiss Prot No :	P35222
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:1000-1:5000;WB 1:1000-1:5000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200;

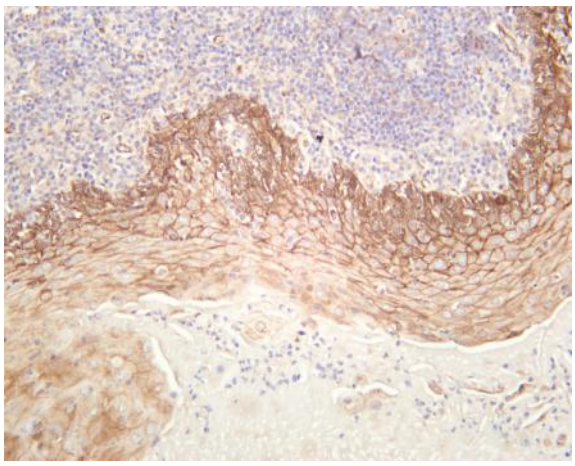
Purification :	Protein A
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	84kD
Observed Band :	96kD
Background :	The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance 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],
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 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
Subcellular Location :	Cytoplasm, Membrane
Expression :	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).
Tag :	hot,recombinant
Sort :	2674
No4 :	1
Host :	Rabbit

Modifications : Unmodified

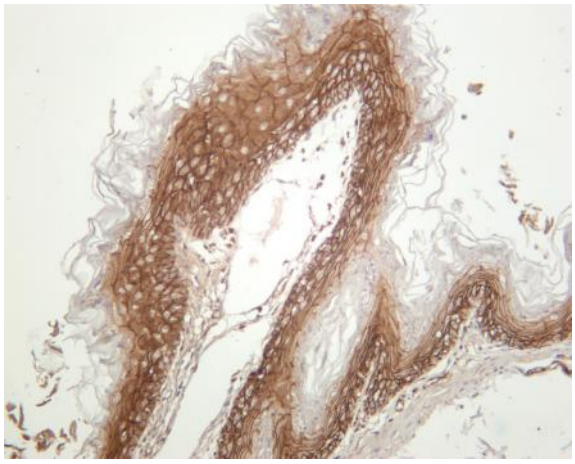
Products Images



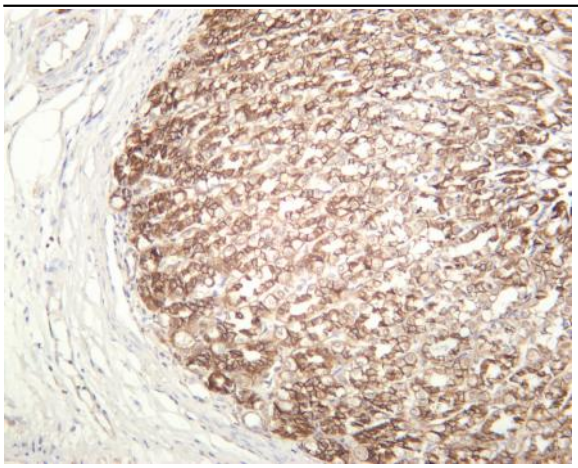
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-β Catenin (PT0300R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HCT116 Lane 2: Hela Lane 3: C6 Lane 4: U14 Predicted band size: 84kDa Observed band size: 96kDa



Human tonsil was stained with anti-β Catenin (PT0300R) rabbit antibody



Mouse stomach was stained with anti-β Catenin (PT0300R) rabbit antibody



Rat stomach was stained with anti-β Catenin (PT0300R) rabbit antibody