Anti-Phospho-delta 1 Catenin (Tyr228) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013014

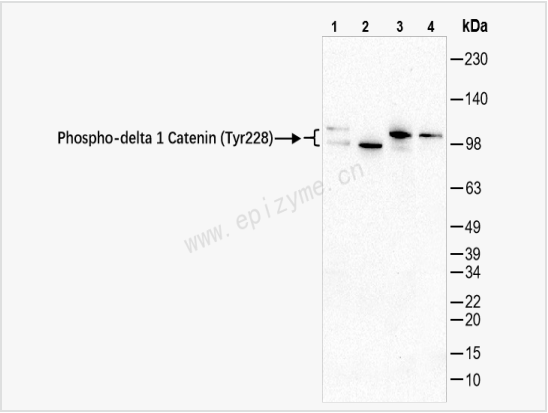
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	81M72K49
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Tyr228 of human delta 1 Catenin
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-delta 1 Catenin (Tyr228) Rabbit mAb [81M72K49] is for research use only and not for use in diagnostic or therapeutic procedures.

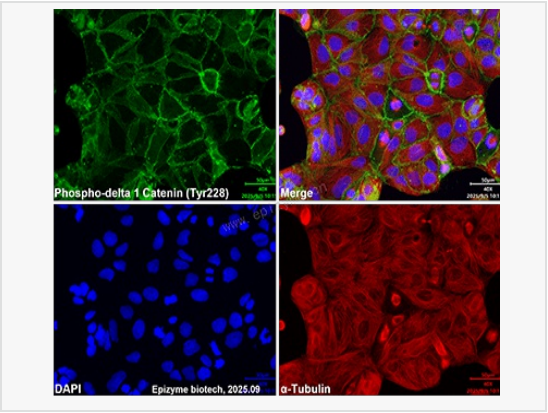
Protein Information

Synonyms	CTND1_HUMAN; Catenin delta-1; delta 1 Catenin; KIAA0384; Cadherin-associated Src substrate(CAS); p120 catenin(p120(ctn)); p120(cas); CAS; p120; BCDS2; P120CAS; P120CTN; p120(CTN).
Calculated MW	Calculated MW: 108 kDa; Observed MW: 95-100 kDa
Uniprot ID	O60716
Gene ID	1500
Background	This gene encodes a member of the Armadillo protein family, which function in adhesion between cells and signal transduction. Multiple translation initiation codons and alternative splicing result in many different isoforms being translated. Not all of the full-length natures of the described transcript variants have been determined. Read-through transcription also exists between this gene and the neighboring upstream thioredoxin-related transmembrane protein 2 (TMX2) gene. [provided by RefSeq, Dec 2010]
Cellular Location	Cell junction Adherens junction Cytoplasm Nucleus Cell membrane Cell junction Interaction with GLIS2 promotes nuclear translocation (By similarity). Detected at cell-cell contacts (PubMed:15240885, PubMed:17047063). NANOS1 induces its translocation from sites of cell-cell contact to the cytoplasm (PubMed:17047063). CDH1 enhances cell membrane localization (PubMed:15240885). Localizes to cell-cell contacts as keratinocyte differentiation progresses (By similarity). Isoform 1A Nucleus Isoform 2A Nucleus Isoform 3A Nucleus Isoform 4A Cytoplasm Isoform 1AB Cytoplasm
Tissue Location	Expressed in vascular endothelium. Melanocytes and melanoma cells primarily express the long isoform 1A, whereas

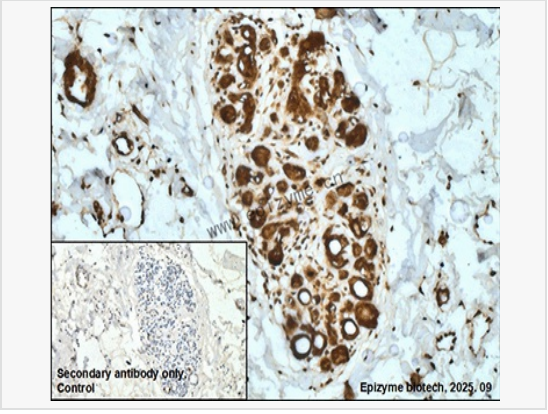
Validation Images



Western Blot - Anti-Phospho-delta 1 Catenin (Tyr228) Rabbit mAb [81M72K49]
All lanes: R013014 at 1:2,000 dilution
Lane 1: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 3: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates
Lane 4: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 108 kDa
Observed band size: 95-100 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Phospho-delta 1 Catenin (Tyr228) Rabbit mAb [81M72K49]
Sample: Caco-2 cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R013014 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-Phospho-delta 1 Catenin (Tyr228) Rabbit mAb [81M72K49]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013014 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.