



Rabbit Anti-phospho-delta 1 Catenin (Thr310) antibody

SL12990R

Product Name:	phospho-delta 1 Catenin (Thr310)
Chinese Name:	磷酸化δ连环蛋白抗体
Alias:	delta 1 Catenin (phospho T310); p-delta 1 Catenin (phospho T310); Cadherin associated Src substrate; Cadherin-associated Src substrate; CAS; Catenin (cadherin associated protein) delta 1; Catenin delta 1; Catenin delta-1; CTND1_HUMAN; CTNND 1; CTNND; CTNND1; KIAA0384; p120; P120 CAS; p120 catenin; P120 CTN; p120(cas); p120(ctn); P120CAS; P120CTN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	108kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human delta 1 Catenin around the phosphorylation site of Thr31:TG(p-T)PS
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

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]

Function:

Binds to and inhibits the transcriptional repressor ZBTB33, which may lead to activation of target genes of the Wnt signaling pathway (By similarity). May associate with and regulate the cell adhesion properties of both C- and E-cadherins. Implicated both in cell transformation by SRC and in ligand-induced receptor signaling through the EGF, PDGF, CSF-1 and ERBB2 receptors. Promotes GLIS2 C-terminal cleavage.

Subunit:

Cytoplasm. Nucleus. Cell membrane. Note=Interaction with GLIS2 promotes nuclear translocation. Detected at cell-cell contacts. NANOS1 induces its translocation from sites of cell-cell contact to the cytoplasm.

Subcellular Location:

Cytoplasm. Nucleus. Cell membrane. Interaction with GLIS2 promotes nuclear translocation (By similarity). NANOS1 induces its translocation from sites of cell-cell contact to the cytoplasm.

Tissue Specificity:

Expressed in vascular endothelium.

Post-translational modifications:

Phosphorylated by FER and other protein-tyrosine kinases. Phosphorylated at Ser-288 by PAK7/PAK5. Dephosphorylated by PTPRJ.

Similarity:

Belongs to the beta-catenin family.
Contains 10 ARM repeats.

SWISS:

O60716

Gene ID:

1500

Database links:

[Entrez Gene: 1500](#)Human

Product Detail:

[Entrez Gene: 12388](#)Mouse

[Entrez Gene: 311163](#)Rat

[Omim: 601045](#)Human

[SwissProt: O60716](#)Human

[SwissProt: P30999](#)Mouse

[Unigene: 166011](#)Human

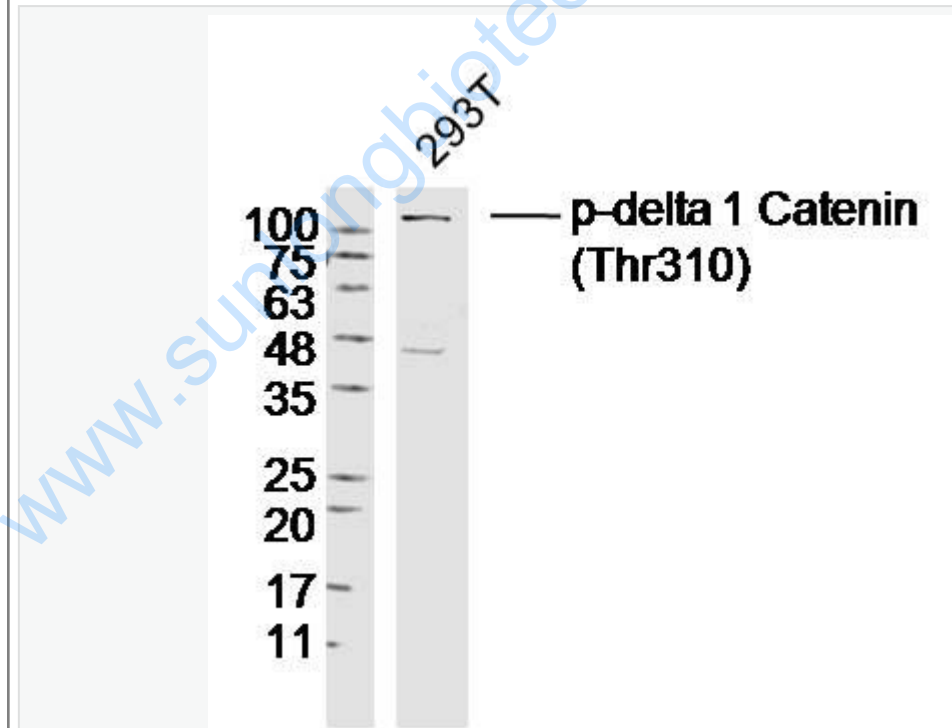
[Unigene: 35738](#)Mouse

[Unigene: 9435](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



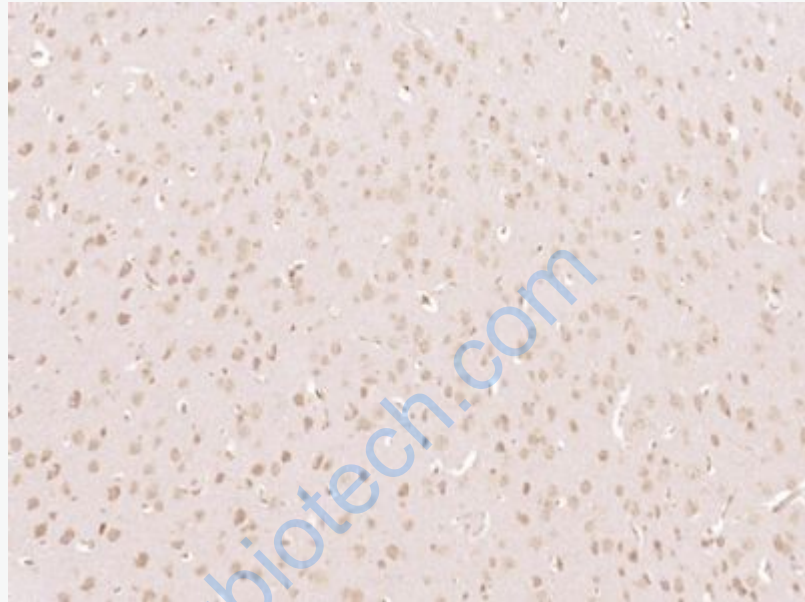
Sample: 293T (Human) Cell Lysate at 40 ug

Primary: Anti-p-delta 1 Catenin (Thr310)(SL12990R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 108kD

Observed band size: 108kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-delta 1 Catenin (Thr310)) Polyclonal Antibody, Unconjugated (SL12990R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.