

Rabbit Anti-phospho-delta 1 Catenin (Tyr280)antibody

SL14262R

Product Name phospho-delta 1 Catenin (Tyr280)

Chinese Name 磷酸化 δ 连环蛋白抗体

Alias delta 1 Catenin (phospho Y280); p-delta 1 Catenin (phospho Y280); 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.

Product Type Phosphorylated anti

Research Area Cell biology Signal transduction Stem cells transcriptional regulatory factor Cytoskeleton

Immunogen Species Rabbit

Clonality Polyclonal

React Species Mouse(predicted:Human,Rat,Dog,Pig,Cow,Horse)
IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 106kDa

Cellular localization The nucleus cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthesised phosphopeptide derived from human delta 1 Catenin around the phosphorylation site of Tyr280: EP(p-Y)GL

Lsotype IgG

Purification affinity purified by Protein A

Buffer 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.



Solution

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

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 nature 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.

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.

Product Detail

Tissue Specificity:

Expressed in vascular endothelium.

Post-translational modifications:

Phosphorylated by protein-tyrosine kinases. 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

[Entrez Gene: 12388](#) Mouse

[Entrez Gene: 311163](#) Rat

[Omim: 601045](#) Human

[SwissProt: O60716](#) Human

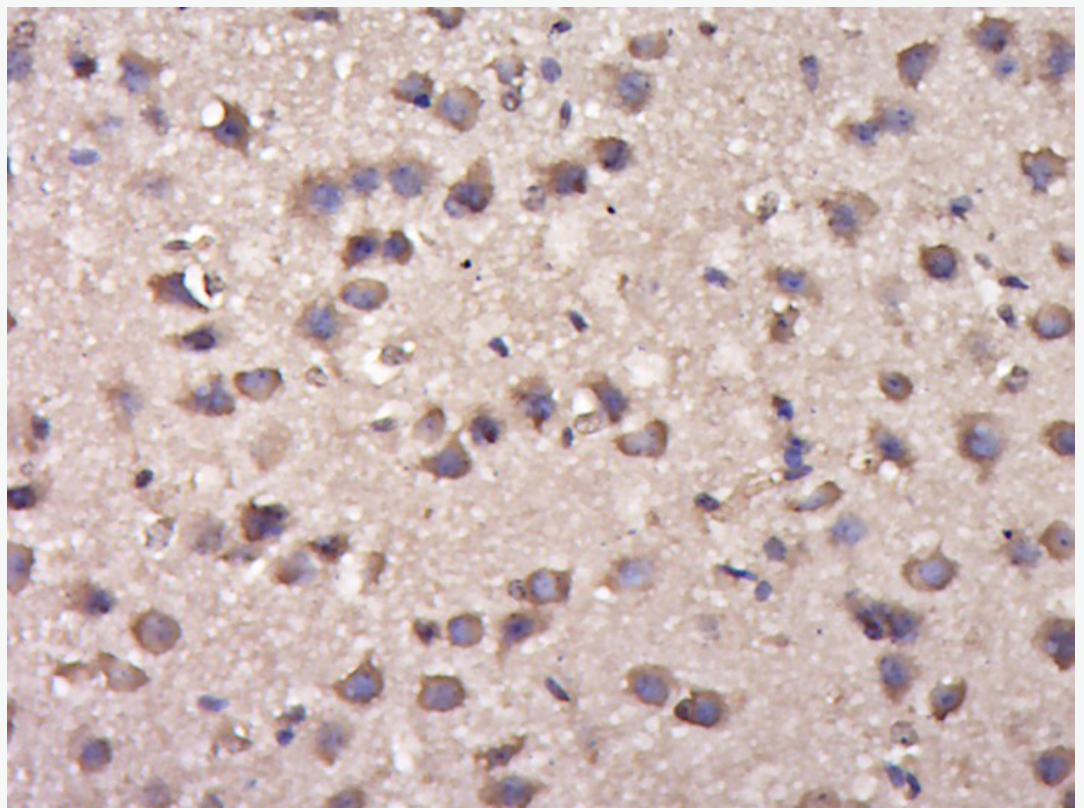
[SwissProt: P30999](#) Mouse

[Unigene: 166011](#) Human

[Unigene: 35738](#) Mouse

[Unigene: 9435](#) Rat

**Product
Picture**



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 (p-delta 1 Catenin (Tyr280)) Polyclonal Antibody, Unconjugated (SL14262R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.