



Rabbit Anti-delta 1 Catenin antibody

SL7000R

Product Name:	delta 1 Catenin
Chinese Name:	δ连环蛋白/δ连环素/δ链接素(δ-catenin) 抗体
Alias:	p120; delta Catenin; 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 CAS; p120 catenin; P120 CTN; p120(cas); p120(ctn); P120CAS; P120CTN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/testICC=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:	106kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Delta Catenin:651-750/968
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
Product Detail:	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.

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

[Entrez Gene: 12388](#) Mouse

[Entrez Gene: 311163](#) Rat

[Omim: 601045](#) Human

[SwissProt: O60716](#) Human

[SwissProt: P30999](#) Mouse

[Unigene: 166011](#) Human

[Unigene: 35738](#) Mouse

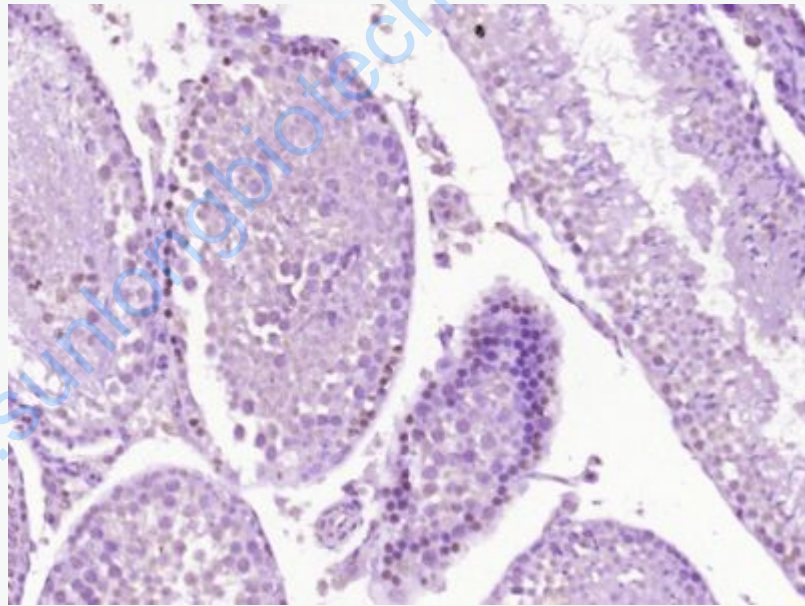
[Unigene: 9435](#) Rat

Important Note:

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

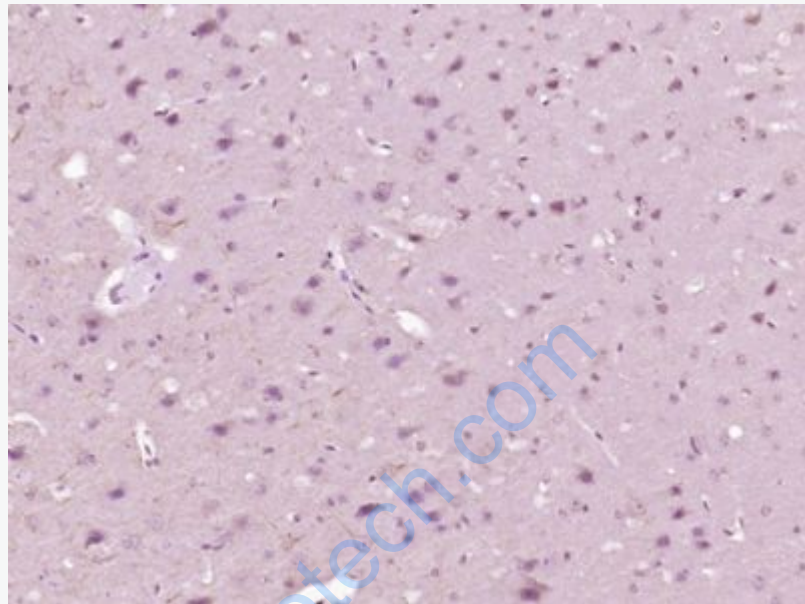
p120-连环素也可能参与细胞侵入力调节.

Picture:

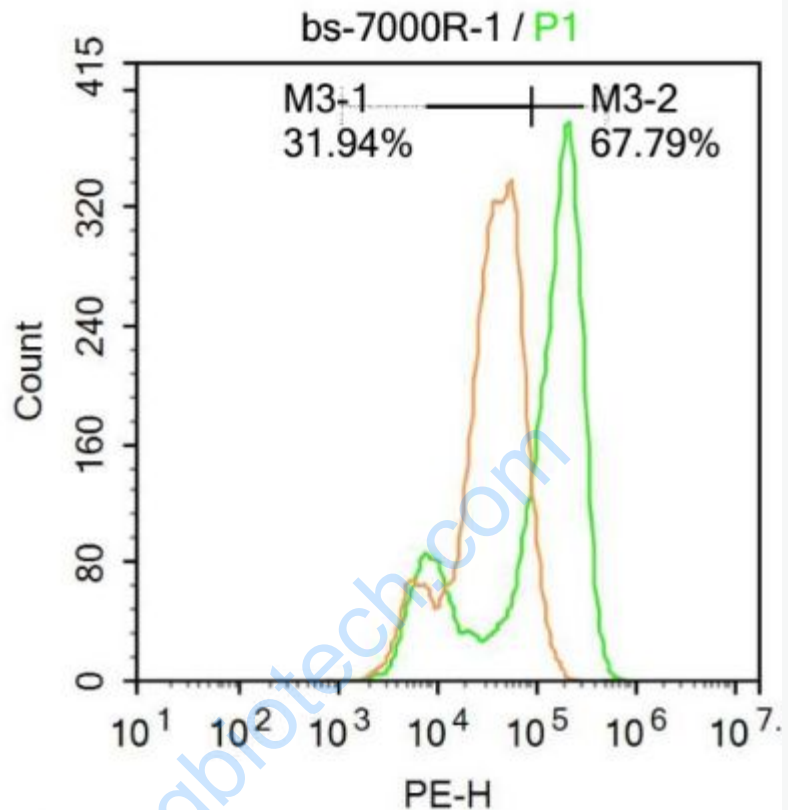


Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Delta Catenin) Polyclonal Antibody, Unconjugated (SL7000R) at 1:400 overnight at 4°C, followed by operating

according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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 (Delta Catenin) Polyclonal Antibody, Unconjugated (SL7000R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control:A431.

Primary Antibody (green line): Rabbit Anti-Delta Catenin antibody (SL7000R)

Dilution: $1\mu\text{g}/10^6$ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF647

Dilution: $1\mu\text{g}/\text{test}$.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C . The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room

temperature. The secondary antibody used for 40 min at room temperature.

Acquisition of 20,000 events was performed.

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