



Rabbit Anti-Syntenin 1 antibody

SL11379R

Product Name:	Syntenin 1
Chinese Name:	多配体聚糖Binding protein1 抗体
Alias:	Sdcbp; MDA-9; MDA9; Melanoma differentiation-associated protein 9; Pro-TGF-alpha cytoplasmic domain-interacting protein 18; Scaffold protein Pbp1; SDCB1_HUMAN; Sdcbp; ST1; SYCL; Syndecan binding protein 1; Syndecan-binding protein 1; Syntenin 1; Syntenin-1; TACIP18.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Rabbit,
Applications:	ELISA=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:	32kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Syntenin 1:121-220/298
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:	Syntenin-1 (also known as syntenin, syndecan binding protein, melanoma differentiation-associated protein 9 or proTGF-alpha cytoplasmic domain-interacting protein 18) is a protein that binds to the cytoplasmic domains of the syndecans in yeast 2-hybrid screens and other assays. Syntenin-1 contains a tandem repeat of PDZ domains

that reacts with the FYA (phe-tyr-ala) carboxy-terminal amino acid sequence of the syndecans. It may function as an adaptor that couples syndecans to cytoskeletal proteins or cytosolic downstream signal-effectors. Syntenin-1 colocalizes and interacts specifically with immature, intracellular forms of proTGF-alpha. It is a human gamma interferon responsive protein. Syntenin-1 contains PSD-95/Discs large/zO-1 (PDZ) domains and associates with the cytoplasmic tail of the IL-5Ralpha. It directly associates with the transcription factor Sox-4. The PDZ proteins PICK1, GRIP, ABP and syntenin-1 bind multiple glutamate receptor subtypes.

Function:

Seems to function as an adapter protein. In adherens junctions may function to couple syndecans to cytoskeletal proteins or signaling components. Seems to couple transcription factor SOX4 to the IL-5 receptor (IL5RA). May also play a role in vesicular trafficking. Seems to be required for the targeting of TGFA to the cell surface in the early secretory pathway.

Subunit:

Monomer and homodimer. Interacts with SDC1, SDC2, SDC3, SDC4, NRXN2, EPHA7, EPHB1, NF2 isoform 1, TGFA and IL5RA. Interacts with neurofascin, SDCBP2 and PTPRJ.

Subcellular Location:

Cell junction, focal adhesion. Cell junction, adherens junction. Cell membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein. Nucleus. Melanosome. Cytoplasm, cytosol. Cytoplasm, cytoskeleton. Note=Mainly membrane-associated. Localized to adherens junctions, focal adhesions and endoplasmic reticulum. Colocalized with actin stress fibers. Also found in the nucleus. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Tissue Specificity:

Widely expressed. Expressed in fetal kidney, liver, lung and brain. In adult highest expression in heart and placenta.

Post-translational modifications:

Phosphorylated on tyrosine residues.

Similarity:

Contains 2 PDZ (DHR) domains.

SWISS:

O00560

Gene ID:

6386

Database links:

[Entrez Gene: 510979](#)Cow

[Entrez Gene: 6386](#)Human

[Entrez Gene: 53378](#)Mouse

[Entrez Gene: 83841](#)Rat

[Omim: 602217](#)Human

[SwissProt: O00560](#)Human

[SwissProt: O08992](#)Mouse

[SwissProt: Q9JI92](#)Rat

[Unigene: 200804](#)Human

[Unigene: 247473](#)Mouse

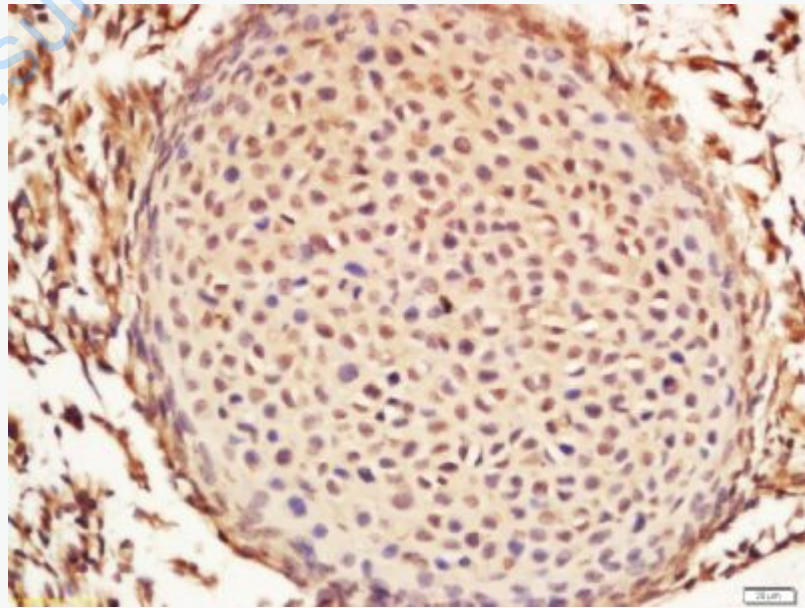
[Unigene: 483278](#)Mouse

[Unigene: 4309](#)Rat

Important Note:

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

Picture:



Tissue/cell: Mouse Embryo tissue; 4% Paraformaldehyde-fixed and paraffin-

embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Syntenin 1 Polyclonal Antibody, Unconjugated(SL11379R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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