

SDCBP / Syntenin Antibody (N-Terminus)
Goat Polyclonal Antibody
Catalog # ALS15303**Specification**

SDCBP / Syntenin Antibody (N-Terminus) - Product Information

Application	WB
Primary Accession	O00560
Reactivity	Human, Mouse, Rat, Hamster, Monkey, Pig, Chicken, Horse, Xenopus, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	32kDa KDa

SDCBP / Syntenin Antibody (N-Terminus) - Additional Information**Gene ID** 6386**Other Names**

Syntenin-1, Melanoma differentiation-associated protein 9, MDA-9, Pro-TGF-alpha cytoplasmic domain-interacting protein 18, TACIP18, Scaffold protein Pbp1, Syndecan-binding protein 1, SDCBP, MDA9, SYCL

Target/Specificity

Human SDCBP / Syntenin. This antibody is expected to recognise isoform 1 (NP_005616.2 and NP_001007068.1) and isoform 3 (NP_001007070.1 and NP_001007071.1) only.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

SDCBP / Syntenin Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SDCBP / Syntenin Antibody (N-Terminus) - Protein Information**Name** SDCBP**Synonyms** MDA9, SYCL**Function**

Multifunctional adapter protein involved in diverse array of functions including trafficking of transmembrane proteins, neuro and immunomodulation, exosome biogenesis, and tumorigenesis (PubMed: [26291527](http://www.uniprot.org/citations/26291527)). Positively regulates TGFB1-mediated SMAD2/3 activation and TGFB1-induced epithelial-to-mesenchymal transition (EMT) and cell migration in various cell types. May increase TGFB1 signaling by enhancing cell-surface expression of TGFR1 by preventing the interaction between TGFR1 and CAV1 and subsequent CAV1-dependent internalization and degradation of

TGFR1 (PubMed:25893292). In concert with SDC1/4 and PDCD6IP, regulates exosome biogenesis (PubMed:22660413). Regulates migration, growth, proliferation, and cell cycle progression in a variety of cancer types (PubMed:26539120). 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) (PubMed:11498591). May also play a role in vesicular trafficking (PubMed:11179419). Seems to be required for the targeting of TGFA to the cell surface in the early secretory pathway (PubMed:10230395).

Cellular 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. Secreted, extracellular exosome. Membrane raft. 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. Associated to the plasma membrane in the presence of FZD7 and phosphatidylinositol 4,5-bisphosphate (PIP2) (PubMed:27386966).

Tissue Location

Expressed in lung cancers, including adenocarcinoma, squamous cell carcinoma and small-cell carcinoma (at protein level) (PubMed:25893292). Widely expressed. Expressed in fetal kidney, liver, lung and brain. In adult highest expression in heart and placenta.

SDCBP / Syntenin Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SDCBP / Syntenin Antibody (N-Terminus) - Images



Antibody (0.01 ug/ml) staining of Human HEK293 cell lysate (35 ug protein in RIPA buffer).

SDCBP / Syntenin Antibody (N-Terminus) - Background

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.

SDCBP / Syntenin Antibody (N-Terminus) - References

Lin J.J.,et al.Mol. Cell. Differ. 4:317-333(1996).
Grootjans J.J.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:13683-13688(1997).
Burbelo P.D.,et al.Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.
Lin J.J.,et al.Gene 207:105-110(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).