



SDCBP Antibody

E2200585

- Catalog Number:** E2200585
- Size:** 100ug
- Host:** Mouse
- Formulation:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
- Sensitivity:** This antibody detects endogenous levels of SDCBP and does not cross-react with related proteins.
- Entrez summary:** The protein encoded by this gene was initially identified as a molecule linking syndecan-mediated signaling to the cytoskeleton. The syntenin protein contains tandemly repeated PDZ domains that bind the cytoplasmic, C-terminal domains of a variety of transmembrane proteins. This protein may also affect cytoskeletal-membrane organization, cell adhesion, protein trafficking, and the activation of transcription factors. The protein is primarily localized to membrane-associated adherens junctions and focal adhesions but is also found at the endoplasmic reticulum and nucleus. Alternative splicing results in multiple transcript variants encoding different isoforms.
- UniPort summary** 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.
- Function:**
- Immunogen:** Purified recombinant human SDCBP protein fragments expressed in E.coli.
- Antibody Type:** Monoclonal antibody
- Isotype:** IgG2b
- Purified method:** Affinity purified
- Subcellular location:** Nucleus. Cytoplasm. Mitochondrion. Note: Cytoplasmic during the interphase. Reversibly translocated from cytoplasm to nucleus when phosphorylated before G2-M transition when associated with cyclin-B1. Accumulates in mitochondria in G2-arrested cells upon DNA-damage.
- Reactivity:** H
- Applications:** WB
- Molecular Weight:** 32kDa
- UniProt number:** O00560
- GeneBank ID:** NM_001007067.1
- Gene symbol:** ST1; SYCL; MDA-9; TACIP18
- Alternate names:** Melanoma differentiation-associated protein 9 Short name=MDA-9 Pro-TGF-alpha cytoplasmic domain- interacting protein 18 Short name=TACIP18 Scaffold protein Pbp1 Syndecan-binding protein 1

For Research Use Only

