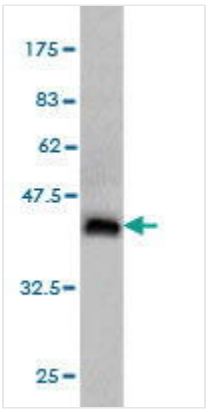
SDCBP Antibody – Mouse Monoclonal

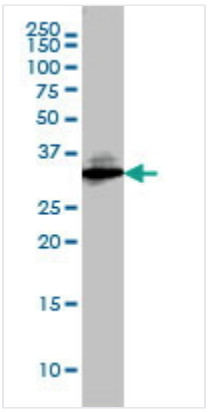
PRODUCT OVERVIEW

Product Name	SDCBP, Monoclonal Antibody
Full Product Name	SDCBP (Syndecan-binding Protein 1, Melanoma Differentiation-associated Protein 9, MDA9, MDA-9, Pro-TGF-alpha Cytoplasmic Domain-interacting Protein 18, TACIP18, Scaffold Protein Pbp1, SYCL, Syntenin-1, ST1) (PE)
Product Gene Name	anti-SDCBP antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2C12
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human SDCBP.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	34.6kDa (318aa), confirmed by MALDI-TOF
OMIM	602217
3D Structure	ModBase 3D Structure for O00560
Immunogen	Partial recombinant corresponding to aa1-101 from human SDCBP (NP_005616) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSLYPSLEDLKVDKVIQAQTAFSANPANPAILSEASAPIPHDGNLYPRLYPELSQYMGLSLNEEEIRANVAVVSGAPLQGQLVARPSSINYMVAPVTGND*
Conjugate	PE
Product Categories/Family for anti-SDCBP antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-SDCBP antibody	ELISA (EIA), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-SDCBP antibody	IF: 35ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-SDCBP antibody	MBS6160160 is an antibody targeting SDCBP. Also known as SDCBP (Syndecan-binding Protein 1, Melanoma Differentiation-associated Protein 9, MDA9, MDA-9, Pro-TGF-alpha Cytoplasmic Domain-interacting Protein 18, TACIP18, Scaffold Protein Pbp1, SYCL, Syntenin-1, ST1) (PE). Reactive in Human. Host: Mouse.

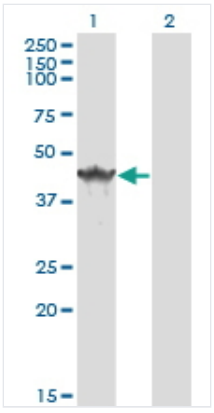
Other Notes	Small volumes of anti-SDCBP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



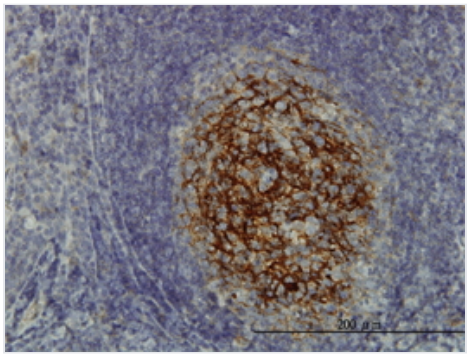
Western Blot (WB) of anti-SDCBP antibody
Western Blot detection against Immunogen (37.11kD).



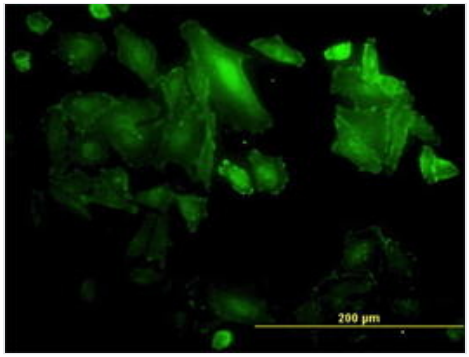
Western Blot (WB) of anti-SDCBP antibody
SDCBP monoclonal antibody, Western Blot analysis of SDCBP expression in HepG2.



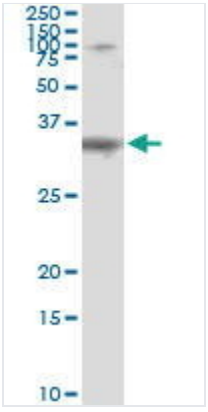
Western Blot (WB) of anti-SDCBP antibody
Western Blot analysis of SDCBP expression in transfected 293T cell line by SDCBP monoclonal antibody. Lane 1: SDCBP transfected lysate (32.4kD). Lane 2: Non-transfected lysate.



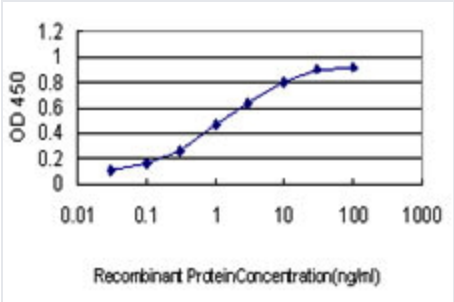
Immunohistochemistry (IHC) of anti-SDCBP antibody
Immunoperoxidase of monoclonal antibody to SDCBP on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3ug/ml].



Immunofluorescence (IF) of anti-SDCBP antibody
Immunofluorescence of monoclonal antibody to SDCBP on HepG2 cell. [antibody concentration 35ug/ml].



Immunoprecipitation (IP) of anti-SDCBP antibody
Immunoprecipitation of SDCBP transfected lysate using SDCBP monoclonal antibody and Protein A Magnetic Bead and immunoblotted with SDCBP rabbit polyclonal antibody.



Testing Data of anti-SDCBP antibody
Detection limit for recombinant GST tagged SDCBP is ~0.03ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SDCBP. It may not necessarily be applicable to this product.

NCBI GI #	56243522
NCBI GeneID	6386
NCBI Accession #	NP_005616
UniProt Primary Accession #	O00560
UniProt Secondary Accession #	O00173; O43391; Q14CP2; B2R5Q7; B4DUH3; B7ZLN2
UniProt Related Accession #	O00560
GenBank Nucleotide #	NM_005625
NCBI Official Full Name	syntenin-1 isoform 1
NCBI Official Synonym Full Names	syndecan binding protein
NCBI Official Symbol	SDCBP
NCBI Official Synonym Symbols	ST1; MDA9; SYCL; MDA-9; TACIP18
UniProt Protein Name	Syntenin-1
UniProt Synonym Protein Names	Melanoma differentiation-associated protein 9; MDA-9; Pro-TGF-alpha cytoplasmic domain-interacting protein 18; TACIP18; Scaffold protein Pbp1; Syndecan-binding protein 1
Protein Family	Syntenin
UniProt Gene Name	SDCBP
UniProt Synonym Gene Names	MDA9; SYCL; MDA-9; TACIP18
UniProt Entry Name	SDCB1_HUMAN
NCBI Protein Information	syntenin-1
NCBI Summary for SDCBP	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. Related pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Jan 2017]

UniProt Comments for SDCBP	syntenin: 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. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Cytokine; Adaptor/scaffold; Vesicle; Motility/polarity/chemotaxis; Membrane protein, integral; Cell adhesion Chromosomal Location of Human Ortholog: 8q12 Cellular Component: extracellular space; endoplasmic reticulum membrane; focal adhesion; cytosol; adherens junction; cytoskeleton; membrane; cytoplasm; plasma membrane; melanosome; interleukin-5 receptor complex; nucleus; vesicle Molecular Function: syndecan binding; protein C-terminus binding; identical protein binding; protein homodimerization activity; ephrin receptor binding; protein N-terminus binding; protein binding; interleukin-5 receptor binding; protein heterodimerization activity; frizzled binding; neurexin binding; growth factor binding; cytoskeletal adaptor activity; cell adhesion molecule binding; glycoprotein binding Biological Process: synaptic transmission; axon guidance; Ras protein signal transduction; ephrin receptor signaling pathway; positive regulation of JNK cascade; actin cytoskeleton organization and biogenesis; protein targeting to membrane; substrate-bound cell migration, cell extension; positive regulation of phosphorylation
Research Articles on SDCBP	**1.** a unique function of MDA-9 as a facilitator and determinant of glioma stemness and survival.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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