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SDCBP monoclonal antibody (M01), clone 2C12

Mouse monoclonal antibody raised against a partial recombinant SDCBP.
Catalog # AT3799a

Specification

SDCBP monoclonal antibody (M01), clone 2C12 - Product Information

Application	**IF, IP, WB, IHC, E**
Primary Accession	O00560
Other Accession	NM_005625
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**32444**

SDCBP monoclonal antibody (M01), clone 2C12 - 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
SDCBP (NP_005616, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
SDCBP monoclonal antibody (M01), clone 2C12 is for research use only and not for use in diagnostic or therapeutic procedures.

SDCBP monoclonal antibody (M01), clone 2C12 - Protocols

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

- Western Blot
- Blocking Peptides

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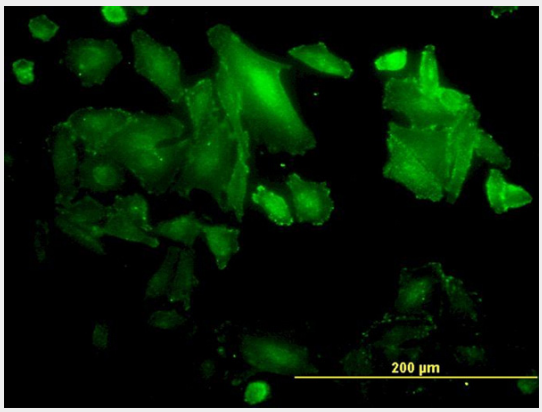
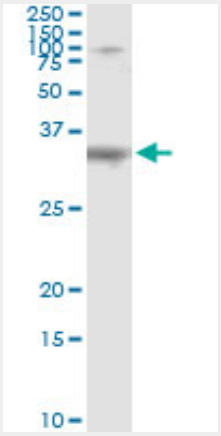
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

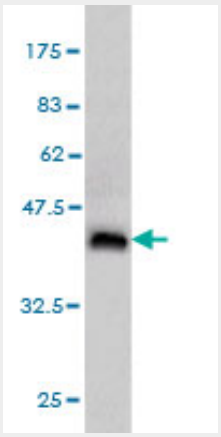
SDCBP monoclonal antibody (M01), clone 2C12 - Images



Immunofluorescence of monoclonal antibody to SDCBP on HepG2 cell. [antibody concentration 35 ug/ml]



Immunoprecipitation of SDCBP transfected lysate using anti-SDCBP monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with SDCBP MaxPab rabbit polyclonal antibody.



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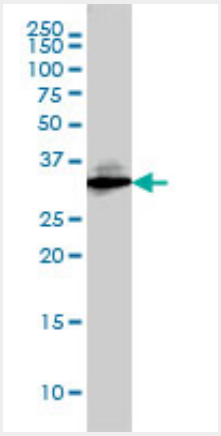
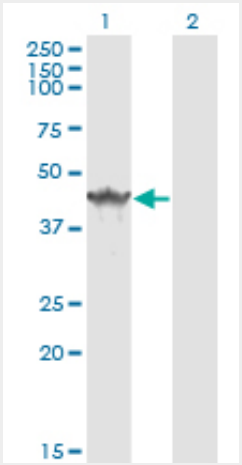
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .

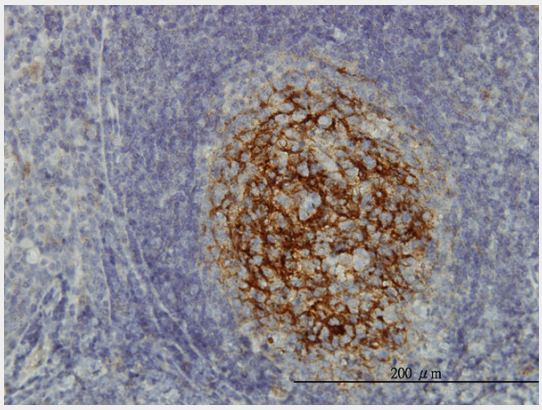


SDCBP monoclonal antibody (M01), clone 2C12 Western Blot analysis of SDCBP expression in HepG2 ((Cat # AT3799a)



Western Blot analysis of SDCBP expression in transfected 293T cell line by SDCBP monoclonal antibody (M01), clone 2C12.

Lane 1: SDCBP transfected lysate(32.4 KDa).
Lane 2: Non-transfected lysate.



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

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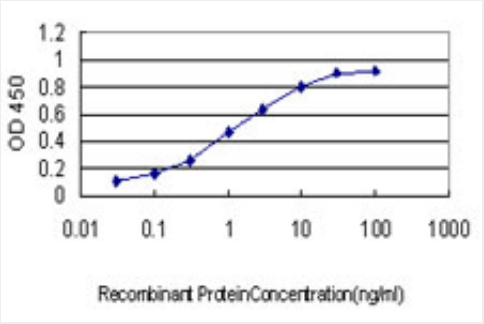

Detection limit for recombinant GST tagged SDCBP is approximately 0.03ng/ml as a capture antibody.

SDCBP monoclonal antibody (M01), clone 2C12 - Background

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.

SDCBP monoclonal antibody (M01), clone 2C12 - References

1.Syntenin increases the invasiveness of small cell lung cancer cells by activating p38, AKT, focal adhesion kinase and SP1.Kim WY, Jang JY, Jeon YK, Chung DH, Kim YG, Kim CWExp Mol Med. 2014 Apr 11;46:e90. doi: 10.1038/emm.2014.1.2.Novel Role of MDA-9/Syntenin in Regulating Urothelial Cell Proliferation by Modulating EGFR Signaling.Dasgupta S, Menezes ME, Das SK, Emdad L, Janjic A, Bhatia S, Mukhopadhyay ND, Shao C, Sarkar D, Fisher PBClin Cancer Res. 2013 Sep 1;19(17):4621-33. doi: 10.1158/1078-0432.CCR-13-0585. Epub 2013 Jul 19.3.MDA-9/Syntenin and IGFBP-2 Promote Angiogenesis in Human Melanoma.Das SK, Bhutia SK, Azab B, Kegelman TP, Peachy L, Santhekadur PK, Dasgupta S, Dash R, Dent P, Grant S, Emdad L, Pellecchia M, Sarkar D, Fisher PB.Cancer Res. 2013 Jan 15;73(2):844-54. doi: 10.1158/0008-5472.CAN-12-1681. Epub 2012 Dec 10.4.Raf kinase inhibitor RKIP inhibits MDA-9/syntenin-mediated metastasis in melanoma.Das SK, Bhutia SK, Sokhi UK, Azab B, Su ZZ, Boukerche H, Anwar T, Moen EL, Chatterjee D, Pellecchia M, Sarkar D, Fisher PB.Cancer Res. 2012 Oct 11. [Epub ahead of print]5.Systematic proteomic analysis of human hepotacellular carcinoma cells reveals molecular pathways and networks involved in metastasis.Yu Y, Shen H, Yu H, Zhong F, Zhang Y, Zhang C, Zhao J, Li H, Chen J, Liu Y, Yang P.Mol Biosyst. 2011 Jun;7(6):1908-16. Epub 2011 Apr 6.