9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

SDCBP monoclonal antibody (M01), clone 2C12

Catalog Number: H00006386-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant SDCBP.

Clone Name: 2C12

Immunogen: SDCBP (NP_005616, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MSLYPSLEDLKVDKVIQAQTAFSANPANPAILSEASAPI
PHDGNLYPRLYPELSQYMGLSLNEEEIRANVAVVSGA
PLQGQLVARPSSINYMVAPVTGND

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, IP, S-ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 6386

Gene Symbol: SDCBP

Gene Alias: MDA-9, ST1, SYCL, TACIP18

Gene 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. [provided by RefSeq]

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 CW Exp 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 PB Clin 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.