Product Name: **KD-Validated Syndecan Binding Protein Recombinant Rabbit Monoclonal Antibody**

Catalog #: **KVAb01745**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 32.4kDa

Antigen Information

Gene Name	SDCBP
Alternative Names	SDCBP; Syndecan Binding Protein; MDA-9; SYCL; Syntenin-1; Pro-TGF-Alpha Cytoplasmic Domain-Interacting Protein 18; Syndecan-Binding Protein 1; Scaffold Protein Pbp1; TACIP18; SDCBP1; MDA9; Melanoma Differentiation Associated Protein-9; Melanoma Differentiation-Associated Protein 9; Syndecan Binding Protein (Syntenin); Syntenin; ST1
Gene ID	6386.0
SwissProt ID	O00560
Immunogen	A synthesized peptide derived from human Syntenin

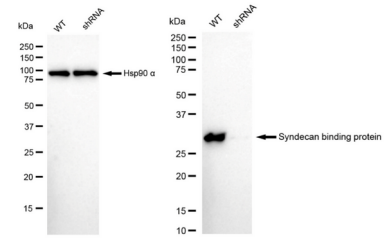
Background

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. Related pseudogenes have been identified on multiple chromosomes. [provided by RefSeq, Jan 2017]

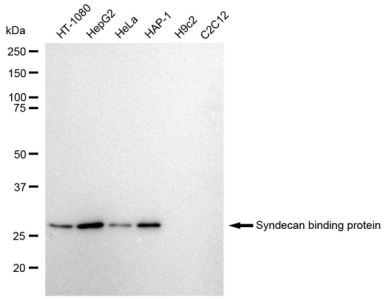
Research Area

Neuroscience

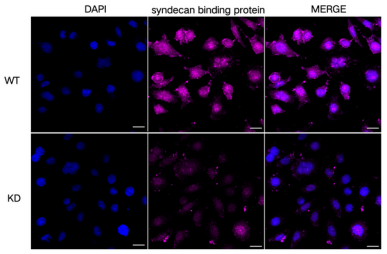
Image Data



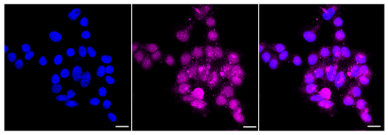
Western blotting analysis using syndecan binding protein antibody (KVAb01745). Syndecan binding protein expression in wild type (WT) and syndecan binding protein (SDCBP) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with syndecan binding protein antibody (KVAb01745, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



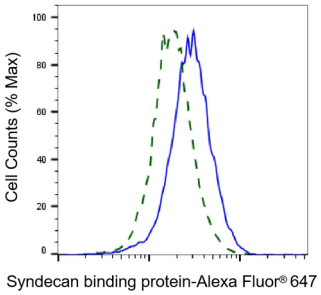
Western blotting analysis using Syndecan binding protein antibody (KVAb01745). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Syndecan binding protein antibody (KVAb01745, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



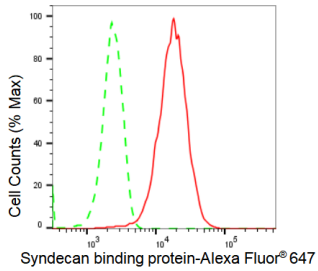
Immunocytochemical staining of HeLa cells using syndecan binding protein antibody (KVAb01745, 1:1,000), Top panel: wild-type (WT); Bottom panal: Syndecan binding protein shRNA knockdown (KD). Nuclei were stained blue with DAPI; Acyl-CoA dehydrogenase short chain was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HepG2 cells with Syndecan binding protein antibody(KVAb01745, 1:1,000) . Nuclei were stained blue with DAPI; Syndecan binding protein was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Validation of Syndecan binding protein knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Syndecan binding protein antibody (KVAb01745, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Syndecan binding protein expression in HepG2 cells using Syndecan binding protein antibody (KVAb01745, 1:2,000). Green, isotype control; red, Syndecan binding protein.