
Product Name: KD-Validated Syndecan 1 Mouse Monoclonal Antibody**Catalog #: KVA01899**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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
Molecular Weight	Calculated MW: 32.5kDa

Antigen Information

Gene Name	SDC1
Alternative Names	SDC1; Syndecan 1; SYND1; Syndecan; CD138; SDC; Syndecan Proteoglycan 1; CD138 Antigen; Syndecan-1; Heparan Sulfate Proteoglycan Fibroblast Growth Factor Receptor
Gene ID	6382.0
SwissProt ID	P18827
Immunogen	A synthesized peptide derived from human CD138

Background

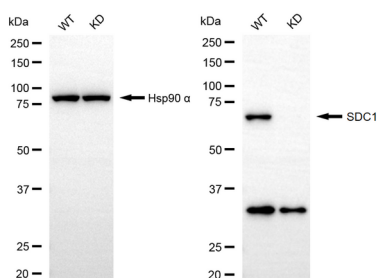
The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-1 protein functions as an integral membrane protein and

participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length nature of only two have been described to date. These two represent the major variants of this gene and encode the same protein. [provided by RefSeq, Jul 2008]

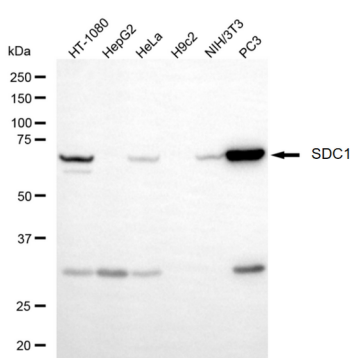
Research Area

Cancer, Metabolism, Neuroscience, Signal Transduction, Stem Cells

Image Data



Western blotting analysis using SDC1 antibody (KVA01899). SDC1 expression in wild-type (WT) and SDC1 knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with SDC1 antibody (KVA01899, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using SDC1 antibody (KVA01899). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SDC1 antibody (KVA01899, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.