

Anti-Syndecan 1 SDC1 Rabbit Monoclonal Antibody

Catalog # ABO14053

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P18827
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Syndecan 1 SDC1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

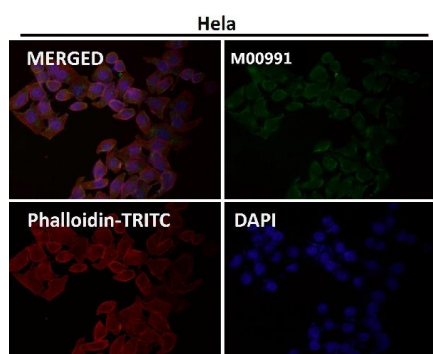
Gene ID	6382
Other Names	Syndecan-1 {ECO:0000312 HGNC:HGNC:10658}, SYND1 {ECO:0000312 HGNC:HGNC:10658}, CD138, SDC1 (HGNC:10658), SDC
Calculated MW	32462
Application Details	WB 1:500-1:2000 IHC 1:100-1:500 ICC/IF 1:50-1:200
Subcellular Localization	Membrane; Single-pass type I membrane protein. Secreted. Shedding of the ectodomain produces a soluble form.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AbS91
Immunogen	A synthesized peptide derived from human Syndecan 1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

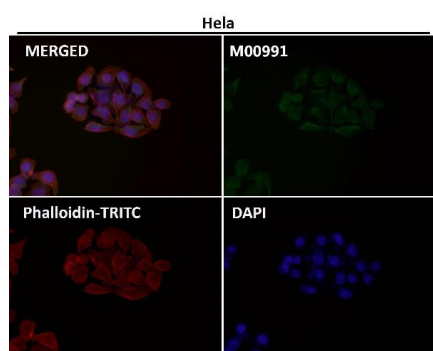
Name	SDC1 (HGNC:10658)
-------------	-------------------------------------

Synonyms	SDC
Function	Cell surface proteoglycan that contains both heparan sulfate and chondroitin sulfate and that links the cytoskeleton to the interstitial matrix (By similarity). Regulates exosome biogenesis in concert with SDCBP and PDCD6IP (PubMed: 22660413). Able to induce its own expression in dental mesenchymal cells and also in the neighboring dental epithelial cells via an MSX1-mediated pathway (By similarity).
Cellular Location	Membrane; Single-pass type I membrane protein. Secreted Secreted, extracellular exosome Note=Shedding of the ectodomain produces a soluble form
Tissue Location	Detected in placenta (at protein level) (PubMed:32337544). Detected in fibroblasts (at protein level) (PubMed:36213313).

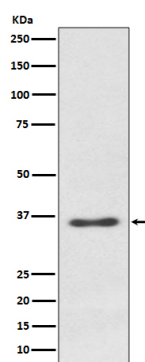
Images



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Western blot analysis of Syndecan 1 expression in Ramos cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.