

ARG40544 anti-CD138 / Syndecan 1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD138 / Syndecan 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD138 / Syndecan 1
Species	Human
Immunogen	Synthetic peptide derived from Human Syndecan 1.
Conjugation	Un-conjugated
Alternate Names	CD antigen CD138; syndecan; CD138; SDC; Syndecan-1; SYND1

Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	ICC/IF	1:50 - 1:200
	IHC-P	1:100 - 1:500
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	35 kDa	

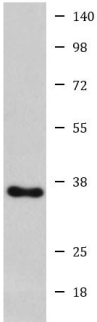
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	SDC1
Gene Full Name	syndecan 1
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]
Function	Cell surface proteoglycan that bears both heparan sulfate and chondroitin sulfate and that links the cytoskeleton to the interstitial matrix. [UniProt]
Calculated Mw	32 kDa
PTM	Shedding is enhanced by a number of factors such as heparanase, thrombin or EGF. Also by stress and wound healing. PMA-mediated shedding is inhibited by TIMP3. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. Secreted, exosome. Note=Shedding of the ectodomain produces a soluble form. [UniProt]

Images



Western blot: Ramos cell lysate stained with ARG40544 anti-CD138 / Syndecan 1 antibody.

ARG40544 anti-CD138 / Syndecan 1 antibody WB image

Ramos