

Basic Information

Product Name	Anti-CD138/Syndecan-1/SDC1 Antibody (Clone#AbS91)	
Gene Name	SDC1	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human Syndecan 1	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	32 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200

Storage

12 months from date of receipt, -20°C as supplied.

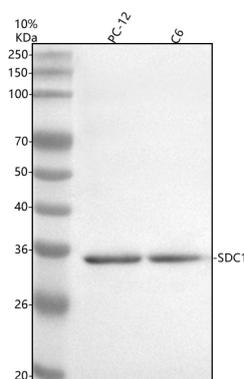
Background Information

Syndecan 1 is a protein which in humans is encoded by the SDC1 gene. 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.

Reference

Anti-CD138/Syndecan-1/SDC1 Antibody (Clone#AbS91)被引用在1文献中。

Selected Validation Data



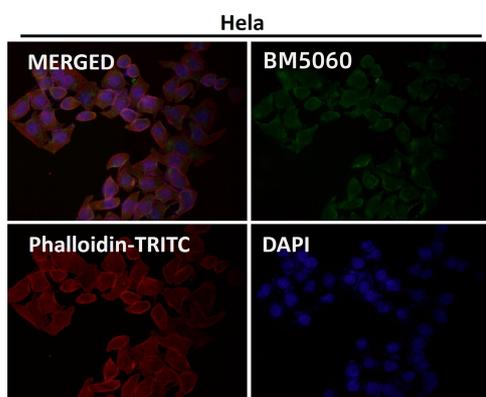
Western blot analysis of anti-CD138/Syndecan-1/SDC1 antibody (BM5060). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat PC-12 whole cell lysates,

Lane 2: rat C6 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-CD138/Syndecan-1/SDC1 antigen affinity purified monoclonal antibody (BM5060) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CD138/Syndecan-1/SDC1 at approximately 32 kDa. The expected band size for CD138/Syndecan-1/SDC1 is at 32 kDa.



Immunofluorescent analysis using the Antibody.

Product datasheet

**Anti-CD138/Syndecan-1/SDC1 Antibody
(Clone#AbS91)**

Catalog Number: BM5060

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Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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