

Rabbit anti-Mouse Syndecan-1/CD138 Polyclonal Antibody | anti-SDC1 antibody

Anti-Syndecan-1/CD138 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257198	Rabbit	Mouse	Immunohistochemistry, ELISA

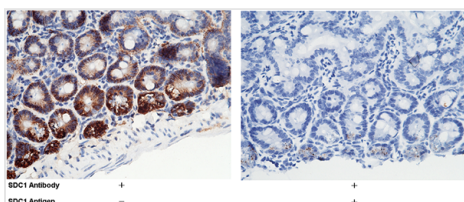
PRODUCT SYNONYMS

Syndecan-1/CD138; Polyclonal Antibody; Anti-Syndecan-1/CD138 Antibody; Rabbit Polyclonal; Syndecan-1/SDC1/CD138 Antibody; Rabbit PAb; Antigen Affinity Purified; syndecan 1; Anti-AA408134 Antibody; Anti-AA409076 Antibody; Anti-CD138 Antibody; Anti-Sstn Antibody; Anti-syn-1 Antibody; Anti-Synd Antibody; Anti-Synd1 Antibody; anti-SDC1 antibody

PRODUCT SPECIFICATIONS

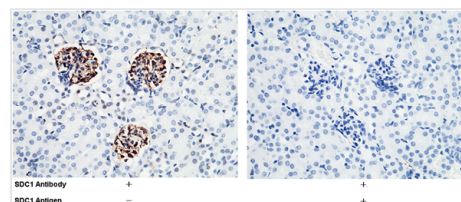
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Syndecan-1/SDC1/CD138
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SDC1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse Syndecan-1/SDC1/CD138 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse Syndecan-1/SDC1/CD138 (rM Syndecan-1/SDC1/CD138). Syndecan-1/SDC1/CD138 specific IgG was purified by Mouse Syndecan-1/SDC1/CD138 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse SDC1 in mouse intestine with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).



IHC (Immunohistochemistry)

Immunochemical staining of mouse SDC1 in mouse kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections). The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).

ADDITIONAL INFORMATION

Related Product Information for anti-SDC1 antibody	Syndecan-1 also known as SDC1 and CD138, is the most extensively studied member of the syndecan family. It is found mainly in epithelial cells, but its expression is developmentally regulated during embryonic development. Syndecan-1/SDC1/CD138 has been shown to mediate cell adhesion to several ECM molecules, and to act as a coreceptor for fibroblast growth factors, potent angiogenic growth factors involved also in differentiation. Syndecan-1/SDC1/CD138 expression is reduced during malignant transformation of various epithelia, and this loss correlates with the histological differentiation grade of squamous cell carcinomas, lacking from poorly differentiated tumours. In squamous cell carcinomas of the head and neck, positive syndecan-1 expression correlates with a more favourable prognosis. Experimental studies on the role of Syndecan-1 in malignant transformation have shown that Syndecan-1/SDC1/CD138 expression is associated with the maintenance of epithelial morphology, anchorage-dependent growth and inhibition of invasiveness in vitro.
References	Inki P, et al. (1996) The role of syndecan-1 in malignancies. Ann Med. 28(1): 63-7.Subramanian SV, et al. (1997) Regulated shedding of syndecan-1 and -4 ectodomains by thrombin and growth factor receptor activation. J Biol Chem. 272(23): 14713-20.Park PW, et al. (2001) Exploitation of syndecan-1 shedding by Pseudomonas aeruginosa enhances virulence. Nature. 411(6833): 98-102.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755438
NCBI GeneID	20969
NCBI Accession #	NP_035649.1
NCBI GenBank Nucleotide #	NM_011519.2
UniProt Accession #	P18828; Q62278; Q9WVD2
Molecular Weight	28,235 Da
NCBI Official Full Name	syndecan-1
NCBI Official Synonym Full Names	syndecan 1
NCBI Official Symbol	Sdc1
NCBI Official Synonym Symbols	Sstn; Synd; CD138; Synd1; syn-1; AA408134; AA409076
NCBI Protein Information	syndecan-1
UniProt Protein Name	Syndecan-1
UniProt Gene Name	Sdc1
UniProt Synonym Gene Names	Synd-1; Synd1; SYND1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.