

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

Anti-Syndecan-1/CD138 Antibody, Rabbit Polyclonal

CATALOG # AAA257320	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, ELISA
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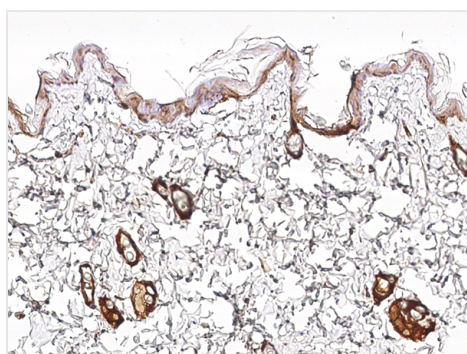
PRODUCT SYNONYMS

Syndecan-1/CD138; Polyclonal Antibody; Anti-Syndecan-1/CD138 Antibody; Rabbit Polyclonal; Syndecan-1 Antibody; Rabbit PAb; Antigen Affinity Purified; syndecan 1; anti-SDC1 antibody

PRODUCT SPECIFICATIONS

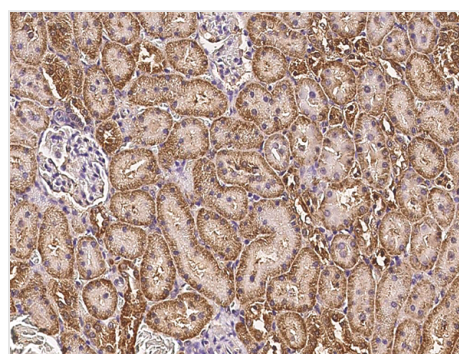
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat Syndecan-1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SDC1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Rat Syndecan-1 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat Syndecan-1 (rR Syndecan-1). Syndecan-1 specific IgG was purified by Rat Syndecan-1 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 rat Syndecan-1 in rat skin with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of rat Syndecan-1 in rat kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

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 #	6981518
NCBI GeneID	25216
NCBI Accession #	NP_037158.1
NCBI GenBank Nucleotide #	NM_013026.2
UniProt Accession #	P26260
Molecular Weight	33,214 Da
NCBI Official Full Name	syndecan-1
NCBI Official Synonym Full Names	syndecan 1
NCBI Official Symbol	Sdc1
NCBI Official Synonym Symbols	HSPG; Synd1; SYNDECA; Syndecan
NCBI Protein Information	syndecan-1
UniProt Protein Name	Syndecan-1
UniProt Gene Name	Sdc1
UniProt Synonym Gene Names	Synd1; SYND1
UniProt Entry Name	SDC1_RAT

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/syndecan-1-cd138-antibody-immunohistochemistry-elisa/257320>