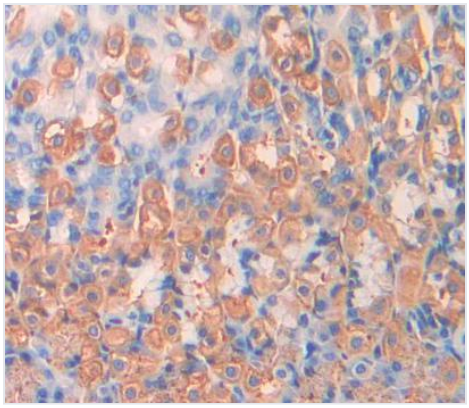
Syndecan 4 (SDC4) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Syndecan 4 (SDC4), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Syndecan 4 (SDC4)
Product Gene Name	anti-SDC4 antibody
Clonality	Polyclonal
Host	Rabbit
Form/Format	Liquid; Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	0.5mg/mL (lot specific)
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 24 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: SDC4 (MBS2006323) Biotin Conjugated Antibody: SDC4 (MBS2006215)
Matching Pairs	Unconjugated Antibody: SDC4 (MBS2006323) Immunogen: SDC4 (MBS2012063)
Matching Pairs	Unconjugated Antibody: SDC4 (MBS2006323) APC-CY7 Conjugated Antibody: SDC4 (MBS2060824)
Matching Pairs	Unconjugated Antibody: SDC4 (MBS2006323) PE Conjugated Antibody: SDC4 (MBS2060825)
Matching Pairs	Unconjugated Antibody: SDC4 (MBS2006323) APC Conjugated Antibody: SDC4 (MBS2060826)
Matching Pairs	Unconjugated Antibody: SDC4 (MBS2006323) Cy3 Conjugated Antibody: SDC4 (MBS2060827)
Matching Pairs	Unconjugated Antibody: SDC4 (MBS2006323) FITC Conjugated Antibody: SDC4 (MBS2060828)
Matching Pairs	Unconjugated Antibody: SDC4 (MBS2006323) HRP Conjugated Antibody: SDC4 (MBS2060829)
Matching Pairs	Unconjugated Antibody: Syndecan 4 (SDC4) (MBS2006323) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Syndecan 4 (SDC4) (MBS2006323) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
3D Structure	ModBase 3D Structure for O35988
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

Source	Polyclonal antibody preparation
Immunogen	Recombinant SDC4 (Glu24~Glu145) expressed in E.coli
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Related Product Information for anti-SDC4 antibody	MBS2006323 is an antibody targeting SDC4. Also known as Polyclonal Antibody to Syndecan 4 (SDC4). Host: Rabbit.
Other Notes	Small volumes of anti-SDC4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-SDC4 antibody
DAB staining on IHC-P. Samples: Mouse Tissue

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SDC4. It may not necessarily be applicable to this product.

NCBI GI #	6755442
NCBI GeneID	20971
NCBI Accession #	NP_035651.1
UniProt Primary Accession #	O35988
UniProt Related Accession #	O35988
GenBank Nucleotide #	NM_011521.2
NCBI Official Full Name	syndecan-4
NCBI Official Synonym Full Names	syndecan 4
NCBI Official Symbol	Sdc4
NCBI Official Synonym Symbols	S4; Synd4; AA959608; AW108331; ryudocan; syndecan-4
UniProt Protein Name	Syndecan-4
UniProt Synonym Protein Names	Ryudocan core protein
Protein Family	Syndecan
UniProt Gene Name	Sdc4
UniProt Synonym Gene Names	SYND4
NCBI Protein Information	syndecan-4

UniProt Comments for SDC4	syndecan-4: a heparan sulfate proteoglycan type I membrane protein that belongs to the syndecan proteoglycan family. Expressed as a homodimer. Promotes cell spreading in a beta(1) integrin-dependent fashion through PKC-alpha and Rho. Protein type: Cell adhesion; Membrane protein, integral; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 2 H3|2 85.16 cM Cellular Component: cell surface; costamere; extracellular exosome; extracellular region; focal adhesion; integral component of membrane; membrane; membrane raft Molecular Function: fibronectin binding; identical protein binding; protein binding; protein kinase C binding Biological Process: inner ear receptor stereocilium organization and biogenesis; negative regulation of T cell proliferation; neural tube closure; positive regulation of focal adhesion assembly; positive regulation of protein kinase activity; positive regulation of stress fiber formation; regulation of fibroblast migration; wound healing
Research Articles on SDC4	**1.** This study demonstrates that the shedding of synd4 from Endothelial progenitor cells (EPCs) plays a key role in advanced glycation end products-mediated dysfunction of EPC migration and homing.
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