# SDC2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | SDC2, Polyclonal Antibody |
| **Full Product Name** | SDC2 Antibody |
| **Product Gene Name** | anti-SDC2 antibody |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purity/Purification** | Purified from rabbit antiserum by affinity-chromatography using immunogen. |
| **Concentration** | 1 mg/ml (lot specific) |
| **Specificity** | SDC2 Antibody detects endogenous levels of SDC2. |
| **Preparation and Storage** | Stable at -20 degree C for at least 1 year. |
| **Molecular Weight** | 22 kDa |
| **OMIM** | J04621 mRNA |
| **3D Structure** | ModBase 3D Structure for P34741 |
| **Target Modification** | Unmodified/Total |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human SDC2. |
| **Immunogen Range** | 81-130 |
| **Applications Tested/Suitable for anti-SDC2 antibody** | Western Blot (WB), ELISA (EIA) |
| **Application Notes for anti-SDC2 antibody** | WB: 1:500~1:1000<br>ELISA: 1:10000 |
| **Related Product Information for anti-SDC2 antibody** | MBS9507005 is an antibody targeting SDC2. Also known as SDC2 Antibody. Reactive in Human. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-SDC2 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. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SDC2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 40548378 |
| **NCBI GeneID** | 6383 |
| **NCBI Accession #** | NP_002989.2 |
| **UniProt Primary Accession #** | P34741 |

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| **UniProt Secondary Accession #** | Q6PIS6; Q9H6V1; B3KQA3 |
| **UniProt Related Accession #** | P34741 |
| **GenBank Nucleotide #** | NM_002998.3 |
| **NCBI Official Full Name** | syndecan-2 |
| **NCBI Official Synonym Full Names** | syndecan 2 |
| **NCBI Official Symbol** | SDC2 |
| **NCBI Official Synonym Symbols** | HSPG; CD362; HSPG1; SYND2 |
| **UniProt Protein Name** | Syndecan-2 |
| **UniProt Synonym Protein Names** | Fibroglycan; Heparan sulfate proteoglycan core protein; HSPG; CD_antigen: CD362 |
| **Protein Family** | Syndecan |
| **UniProt Gene Name** | SDC2 |
| **UniProt Synonym Gene Names** | HSPG1; SYND2; HSPG |
| **NCBI Protein Information** | syndecan-2 |
| **NCBI Summary for SDC2** | 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-2 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-2 expression has been detected in several different tumor types. [provided by RefSeq, Jul 2008] |
| **UniProt Comments for SDC2** | Cell surface proteoglycan that bears heparan sulfate. Regulates dendritic arbor morphogenesis (). |
| **Research Articles on SDC2** | **1.** data suggest that syndecan-2 induces extracellular shedding of E-cadherin and supports the acquisition of a fibroblast-like morphology by regulating MMP-7 expression in a colon cancer cell line |
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