

**SDC4 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16869c****Specification**

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**SDC4 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P31431](#)**SDC4 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6385**Other Names**

Syndecan-4, SYND4, Amphiglycan, Ryudocan core protein, SDC4

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SDC4 Antibody (Center) Blocking Peptide - Protein Information****Name** SDC4 ([HGNC:10661](#))**Function**Cell surface proteoglycan which regulates exosome biogenesis in concert with SDCBP and PDCD6IP (PubMed:<[a href="http://www.uniprot.org/citations/22660413"](http://www.uniprot.org/citations/22660413) target="\_blank">22660413</a>).**Cellular Location**

[Isoform 1]: Membrane; Single-pass type I membrane protein. Secreted. Note=Shedding of the ectodomain produces a soluble form.

**Tissue Location**

Detected in fibroblasts (at protein level) (PubMed:36213313, PubMed:1500433). Also expressed in epithelial cells (PubMed:1500433).

**SDC4 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **SDC4 Antibody (Center) Blocking Peptide - Images**

#### **SDC4 Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan that functions as a receptor in intracellular signaling. The encoded protein is found as a homodimer and is a member of the syndecan proteoglycan family. This gene is found on chromosome 20, while a pseudogene has been found on chromosome 22.

#### **SDC4 Antibody (Center) Blocking Peptide - References**

Buhligen, J., et al. J. Cell. Physiol. 225(3):905-914(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Carvallo, L., et al. J. Biol. Chem. 285(38):29546-29555(2010) Wang, Y., et al. J. Hum. Genet. 55(8):490-494(2010) Hallberg, G., et al. Reprod. Biol. Endocrinol. 8, 35 (2010) :