

**Syndecan-1 Blocking Peptide**  
**Catalog # PBV10288b****Specification**

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**Syndecan-1 Blocking Peptide - Product Information**

Primary Accession	<a href="#">P18827</a>
Gene ID	<b>6382</b>
Calculated MW	<b>32462</b>

**Syndecan-1 Blocking Peptide - Additional Information****Gene ID** 6382**Application & Usage**

The peptide is used for blocking the antibody activity of Syndecan-1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

**Other Names**

Syndecan-1, SYND1, CD138, SDC1, SDC

**Target/Specificity**

Syndecan-1

**Formulation**

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 1% BSA, 50% glycerol, and 0.02% thimerosal.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Syndecan-1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

**Syndecan-1 Blocking Peptide - Protein Information****Name** SDC1 ([HGNC:10658](#))**Synonyms** SDC**Function**

Cell surface proteoglycan that contains both heparan sulfate and chondroitin sulfate and that links the cytoskeleton to the interstitial matrix (By similarity). Regulates exosome biogenesis in concert

with SDCBP and PDCD6IP (PubMed:<a href="http://www.uniprot.org/citations/22660413" target="\_blank">22660413</a>). Able to induce its own expression in dental mesenchymal cells and also in the neighboring dental epithelial cells via an MSX1-mediated pathway (By similarity).

**Cellular Location**

Membrane; Single-pass type I membrane protein. Secreted Secreted, extracellular exosome

Note=Shedding of the ectodomain produces a soluble form

**Tissue Location**

Detected in placenta (at protein level) (PubMed:32337544). Detected in fibroblasts (at protein level) (PubMed:36213313).

**Syndecan-1 Blocking Peptide - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Syndecan-1 Blocking Peptide - Images**