

**Syndecan-4 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10486****Specification**

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**Syndecan-4 Antibody - Product Information**

Application	WB, IHC, IP
Primary Accession	<a href="#">P31431</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	21642

**Syndecan-4 Antibody - Additional Information****Gene ID** 6385

Application & Usage	Western blotting (0.5-4 µg/ml), Immunoprecipitation (5-10 µg/ml) and Immunohistochemistry (5 µg/ml) (Frozen and paraffin sections). However, the optimal conditions should be determined individually. Other applications have not been determined.
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**Other Names**  
SDC4 , SYND4**Target/Specificity**  
Syndecan-4**Antibody Form**  
Liquid**Appearance**  
Colorless liquid**Formulation**  
100 µg (0.5 mg/ml) Protein A purified rabbit anti-Syndecan-4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.**Handling**  
The antibody solution should be gently mixed before use.**Reconstitution & Storage**  
-20 °C**Background Descriptions**

**Precautions**

Syndecan-4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Syndecan-4 Antibody - 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" 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).

**Syndecan-4 Antibody - 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-4 Antibody - Images****Syndecan-4 Antibody - Background**

Syndecans are type I integral membrane proteoglycans that are involved in cell-extracellular matrix adhesion and growth factor binding. Syndecan-1 is an matrix receptor which binds to Collagens, Fibronectin and Thrombospondin. Syndecan-1 and Syndecan-3 interact with MK (midkine), a growth/differentiation factor involved in embryogenesis. Syndecan-2 is highly expressed at areas of high morphogenetic activity, such as epithelial-mesenchymal interfaces and the prechondrogenic and preosteogenic mesenchymal condensations. Syndecan-4 functions cooperatively with integrins in the processes of cell spreading and focal adhesion assembly.