

**syndecan 1 / CD138 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF4068a

### Specification

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#### syndecan 1 / CD138 Antibody (internal region) - Product Information

Application	WB
Primary Accession	<a href="#">P18827</a>
Other Accession	<a href="#">NP_002988.3</a> , <a href="#">6382</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	32462

#### syndecan 1 / CD138 Antibody (internal region) - Additional Information

**Gene ID** 6382

**Other Names**

Syndecan-1, SYND1, CD138, SDC1, SDC

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

syndecan 1 / CD138 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

#### syndecan 1 / CD138 Antibody (internal region) - 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

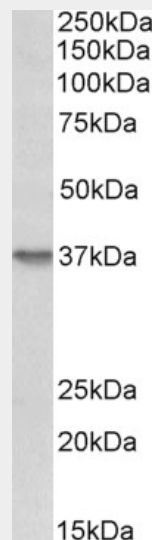
Detected in placenta (at protein level) (PubMed:32337544). Detected in fibroblasts (at protein level) (PubMed:36213313).

## syndecan 1 / CD138 Antibody (internal region) - 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 / CD138 Antibody (internal region) - Images



AF4068a (1 µg/ml) staining of HepG2 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## syndecan 1 / CD138 Antibody (internal region) - Background

Reported variants represent identical protein: NP\_001006947.1, NP\_002988.3.

## syndecan 1 / CD138 Antibody (internal region) - References

Removal of syndecan-1 promotes TRAIL-induced apoptosis in myeloma cells. Wu YH, Yang CY, Chien WL, Lin KI, Lai MZ. Journal of immunology (Baltimore, Md. : 1950) 2012 Mar 188 (6): 2914-21. PMID: 22308310