

## Syndecan-4 (phospho Ser179) Polyclonal Antibody

Catalog No: YP1150

**Reactivity:** Human; Mouse; Rat

**Applications:** IHC;IF;ELISA

Target: Syndecan-4

**Fields:** >>ECM-receptor interaction;>>Cell adhesion molecules;>>Proteoglycans in

cancer;>>Fluid shear stress and atherosclerosis

Gene Name: SDC4

Protein Name: Syndecan-4

P31431

O35988

Human Gene Id: 6385

**Human Swiss Prot** 

No:

Mouse Gene Id: 20971

**Mouse Swiss Prot** 

No:

Rat Gene Id: 24771

Rat Swiss Prot No: P34901

Immunogen: The antiserum was produced against synthesized peptide derived from human

Syndecan4 around the phosphorylation site of Ser179. AA range:145-194

Specificity: Phospho-Syndecan-4 (S179) Polyclonal Antibody detects endogenous levels of

Syndecan-4 protein only when phosphorylated at S179.

**Formulation:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other

1/3



applications
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**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

-15°C to -25°C/1 year(Do not lower than -25°C) Storage Stability:

Molecularweight: 22kD

ECM-receptor interaction; Cell adhesion molecules (CAMs); **Cell Pathway:** 

**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. [provided by RefSeq, Jul 2008],

**Function:** function:Cell surface proteoglycan that bears heparan sulfate.,function:Cell

surface proteoglycan., similarity: Belongs to the syndecan proteoglycan

family., subunit: Homodimer. Interacts with CDCP1, with GIPC PDZ domain and

with NUDT16L1/SDOS (By similarity). Interacts with SDCBP., tissue

specificity:Expressed in epithelial and fibroblastic cells.,

Subcellular

[Isoform 1]: Membrane; Single-pass type I membrane protein. Secreted. Shedding of the ectodomain produces a soluble form. .; [Isoform 2]: Secreted. Location:

Expressed in epithelial and fibroblastic cells. **Expression:** 

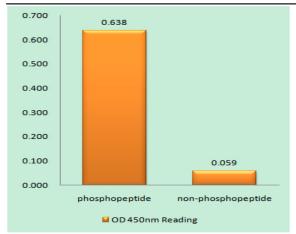
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No4:

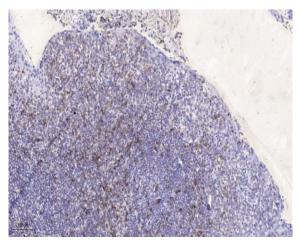
Host: Rabbit

**Modifications:** Phospho

## **Products Images**



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Syndecan4 (Phospho-Ser179) Antibody



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).