

## Syndecan-4 Polyclonal Antibody

<b>Catalog No :</b>	YT4491
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Syndecan-4
<b>Fields :</b>	>>ECM-receptor interaction;>>Cell adhesion molecules;>>Proteoglycans in cancer;>>Fluid shear stress and atherosclerosis
<b>Gene Name :</b>	SDC4
<b>Protein Name :</b>	Syndecan-4
<b>Human Gene Id :</b>	6385
<b>Human Swiss Prot No :</b>	P31431
<b>Mouse Gene Id :</b>	20971
<b>Mouse Swiss Prot No :</b>	O35988
<b>Rat Gene Id :</b>	24771
<b>Rat Swiss Prot No :</b>	P34901
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Syndecan4. AA range:145-194
<b>Specificity :</b>	Syndecan-4 Polyclonal Antibody detects endogenous levels of Syndecan-4 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:40000. Not

yet tested in other applications.

**Purification :** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

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

**Observed Band :** 22kD

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

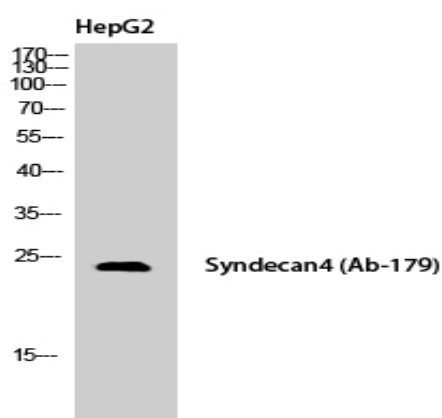
**Background :** The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan that functions as a receptor in intracellular signaling. The encoded protein is found as a homodimer and is a member of the syndecan proteoglycan family. This gene is found on chromosome 20, while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

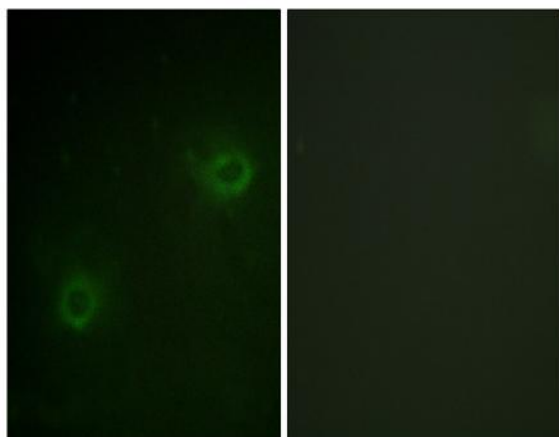
**Subcellular Location :** [Isoform 1]: Membrane ; Single-pass type I membrane protein . Secreted . Shedding of the ectodomain produces a soluble form. .; [Isoform 2]: Secreted.

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

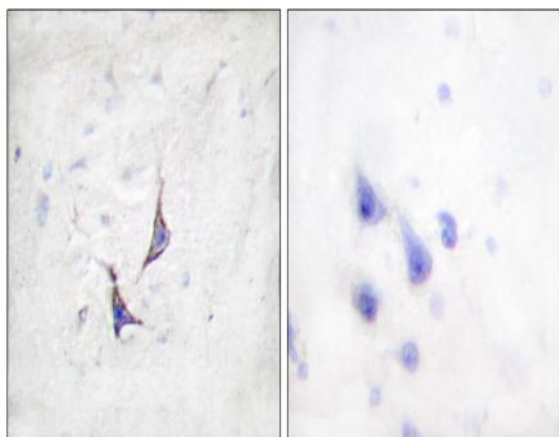
## Products Images



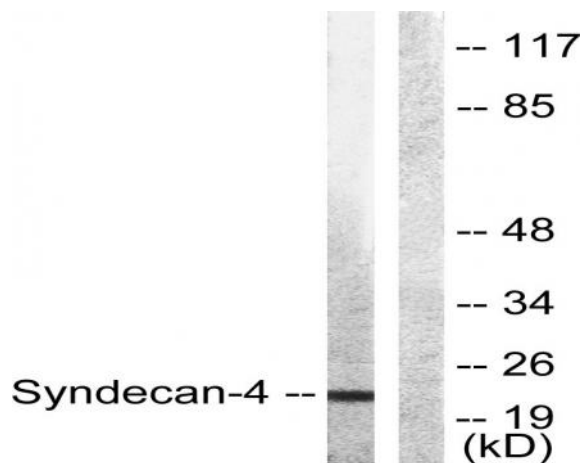
Western Blot analysis of HepG2 cells using Syndecan-4 Polyclonal Antibody



Immunofluorescence analysis of HeLa cells, using Syndecan4 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Syndecan4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using Syndecan4 Antibody. The lane on the right is blocked with the synthesized peptide.