

Syndecan-4 Polyclonal Antibody

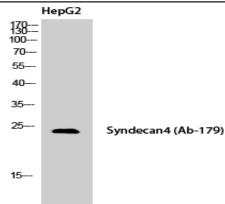
Catalog No :	YT4491
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Syndecan-4
Fields :	>>ECM-receptor interaction;>>Cell adhesion molecules;>>Proteoglycans in cancer;>>Fluid shear stress and atherosclerosis
Gene Name :	SDC4
Protein Name :	Syndecan-4
Human Gene Id :	6385
Human Swiss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



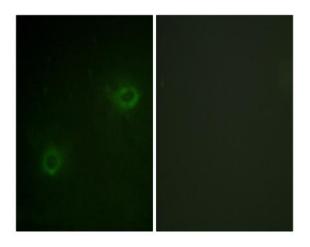
yet tested in other applications. **Purification:** The antibody was affinity-purified from rabbit antiserum by affinitychromatography using epitope-specific immunogen. **Concentration:** 1 mg/ml -15°C to -25°C/1 year(Do not lower than -25°C) Storage Stability : **Observed Band :** 22kD ECM-receptor 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**: Tag: hot Sort : 1 No4: 1 Host: Rabbit **Modifications:** Unmodified

Products Images

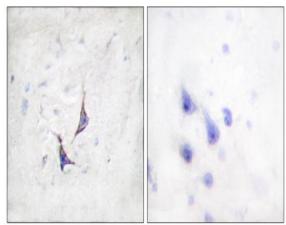




Western Blot analysis of HepG2 cells using Syndecan-4 Polyclonal Antibody

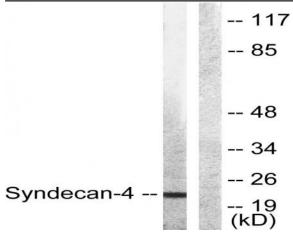


Immunofluorescence analysis of HeLa cells, using Syndecan4 Antibody. The picture on the right is blocked with the synthesized peptide.



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.