

Code No. 18751

**Anti-Human  
Syndecan-4 Rabbit IgG Affinity Purify**

Volume : 100 µg

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**Introduction** : Syndecan, a cell surface proteoglycan, is an integral membrane protein acting as a receptor for the extracellular matrix. The syndecan family of four transmembrane heparan sulfate proteoglycans binds a variety of soluble and insoluble extracellular effectors. Syndecan extracellular domains (ectodomains) can be shed intact by proteolytic cleavage of their core proteins, yielding soluble proteoglycans that retain the binding properties of their cell surface precursors.  
The syndecan-4 acts in conjunction with the  $\alpha 5 \beta 1$  integrin to promote the formation of actin stress fibers and focal adhesions in fibronectin-adherent cells.

**Antigen** : Maltose Binding Protein (MBP) - Syndecan-4 recombinant protein

**Purification** : Purified with antigen

**Form** : Lyophilized product from 1 % BSA in PBS containing 0.05 %  $\text{NaN}_3$

**How to use** : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

**Stability** : Lyophilized product, 5 years at 2 - 8 °C  
: Solution, 2 years at -20 °C

**Application** : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues after microwave treatment (10 min, 10 mM Citrate buffer, pH 6.0). The optimal concentration is 2 - 4 µg/mL, however, the concentration should be optimized by each laboratory.  
: This antibody can be used for western blotting in concentration of 1 - 2 µg /mL.

**Specificity** : Confirmed by western blotting.

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*For research use only, not for use in diagnostic procedures.*

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