

Syndecan-4 Polyclonal Antibody

CATALOG #:	3644-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 184 of human Syndecan-4 (ID# BV-350).
SPECIES REACTIVITY:	human, mouse, rat, chicken

FORMULATION:

100 µg (0.5 mg/ml) Protein A purified rabbit anti-Syndecan-4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS:

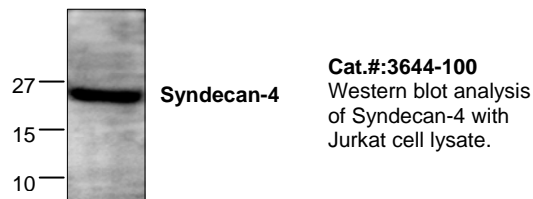
Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

Syndecans are type I integral membrane proteoglycans that are involved in cell-extracellular matrix adhesion and growth factor binding. Syndecan-1 is an matrix receptor which binds to Collagens, Fibronectin and Thrombospondin. Syndecan-1 and Syndecan-3 interact with MK (midkine), a growth/differentiation factor involved in embryogenesis. Syndecan-2 is highly expressed at areas of high morphogenetic activity, such as epithelial-mesenchymal interfaces and the prechondrogenic and preosteogenic mesenchymal condensations. Syndecan-4 functions cooperatively with integrins in the processes of cell spreading and focal adhesion assembly.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). From researchers feed back the antibody also works well in immunoprecipitation (5-10 µg/ml) and immunohistochemistry (Frozen and paraffin sections; 15-25 µg/ml). However, the optimal conditions should be determined individually. Other applications have not been determined. Blocking peptide (Cat.# 3644BP-50) is available separately.



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