

Anti-Syndecan 3/SDC3 Antibody

Catalog # ABO11441

Product Information

Application	WB, IHC-P
Primary Accession	Q64519
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Syndecan-3(SDC3) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	20970
Other Names	Syndecan-3, SYND3, Sdc3, Kiaa0468
Calculated MW	46002
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat, Mouse
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Syndecan-3
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse Syndecan 3/SDC3 (45-60aa AQRWRNENFERPVDLE), identical to the related rat sequence, and different from the related human sequence by one amino acid.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated

freezing and thawing.

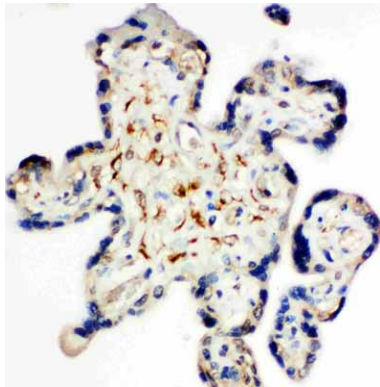
Protein Information

Name	Sdc3
Synonyms	Kiaa0468
Function	Cell surface proteoglycan that may bear heparan sulfate. May have a role in the organization of cell shape by affecting the actin cytoskeleton, possibly by transferring signals from the cell surface in a sugar-dependent mechanism (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein

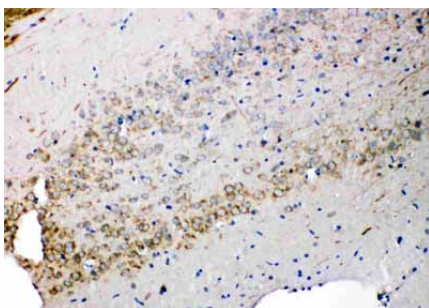
Background

Syndecan-3, also called SYND3 is a protein that in humans is encoded by the SDC3 gene. This gene was assigned to human chromosome 1p35.2. This gene can function as in trans HIV receptors via binding of HIV-1 gp120 to the syndecan heparin sulfate chains. It may play a role in the organization of cell shape by affecting the actin cytoskeleton, and possibly by transferring signals from the cell surface in a sugar-dependent mechanism. In wildtype mice, SDC3 was expressed in hypothalamic regions that control energy balance. It was proposed that oscillation of hypothalamic SDC3 levels physiologically modulates feeding behavior.

Images

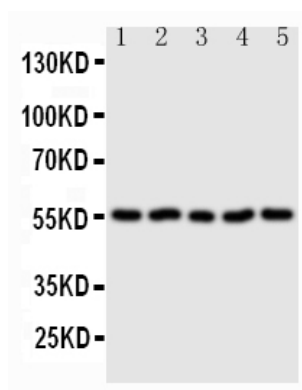


Anti-Syndecan 3/SDC3 antibody, ABO11441, IHC(P)IHC(P):
Human Placenta Tissue



Anti-Syndecan 3/SDC3 antibody, ABO11441, IHC(P)IHC(P):
Rat Brain Tissue

Anti-Syndecan 3/SDC3 antibody, ABO11441, Western blotting
Lane 1: U87 Cell Lysate
Lane 2: 293T Cell Lysate
Lane 3: PC-12 Cell Lysate
Lane 4: NRK Cell Lysate
Lane 5: HT1080 Cell Lysate



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