

Immunotag™ Syndecan-4 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4491
Product Description	Immunotag™ Syndecan-4 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Syndecan-4
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from Syndecan-4, at AA range: 120-200
Specificity	Syndecan-4 Polyclonal Antibody detects endogenous levels of Syndecan-4 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SDC4
Accession No.	P31431 O35988 P34901
Alternate Names	SDC4; Syndecan-4; SYND4; Amphiglycan; Ryudocan core protein
Description	syndecan 4(SDC4) Homo sapiens 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],

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Cell Pathway/ Category	ECM-receptor interaction,Cell adhesion molecules (CAMs),
Protein Expression	Lung,Lung fibroblast,Placenta,Stomach,Thalamus,
Subcellular Localization	Golgi lumen,plasma membrane,integral component of plasma membrane,focal adhesion,cell surface,integral component of membrane,coatamere,lysosomal lumen,membrane raft,extracellular exosome,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.