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Rabbit Anti-HS3ST3B1 antibody

SL17391R

Product Name:	HS3ST3B1
Chinese Name:	HS3ST3B1蛋白抗体
Alias:	3-OST-3B; h3-OST-3B; Heparan sulfate 3-O-sulfotransferase 3B1; Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3B1; Heparan sulfate glucosamine 3-O-sulfotransferase 3B1; HS3SB_HUMAN; HS3ST3B1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	43kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HS3ST3B1:201-300/390
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. The enzyme encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. It is a type II integral membrane protein and possesses heparan sulfate glucosaminyl 3-O-sulfotransferase activity. The sulfotransferase domain of this enzyme

is highly similar to the same domain of heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1, and these two enzymes sulfate an identical disaccharide. This gene is widely expressed, with the most abundant expression in liver and placenta. [provided by RefSeq, Jul 2008]

Function:
Transfers a sulfuryl group to an N-unsubstituted glucosamine linked to a 2-O-sulfo iduronic acid unit on heparan sulfate. Catalyzes the O-sulfation of glucosamine in IdoUA2S-GlcNS and also in IdoUA2S-GlcNH2. The substrate-specific O-sulfation generates an enzyme-modified heparan sulfate which acts as a binding receptor to Herpes simplex virus-1 (HSV-1) and permits its entry. Unlike 3-OST-1, does not convert non-anticoagulant heparan sulfate to anticoagulant heparan sulfate.

Subcellular Location:
Golgi apparatus membrane.

Tissue Specificity:
Ubiquitous. Most abundant in liver and placenta, followed by heart and kidney.

Similarity:
Belongs to the sulfotransferase 1 family.

SWISS:
Q9Y662

Gene ID:
9953

Database links:

Entrez Gene: 9953 Human

SwissProt: Q9Y662 Human

Unigene: 48384 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.