



Rabbit Anti-HS6ST1 antibody

SL10701R

Product Name:	HS6ST1
Chinese Name:	硫酸乙酰肝素6脑苷脂转硫酸酶1抗体
Alias:	6OST 1; 6OST1; DKFZp547H098; FLJ25392; H6 ST1; H6ST 1; H6ST1_HUMAN; Heparan sulfate 6 O sulfotransferase 1; Heparan sulfate 6 sulfotransferase; Heparan sulphate 6 O sulphotransferase 1; Heparan-sulfate 6-O-sulfotransferase 1; HS6 ST1; HS6ST 1; HS6ST ; HS6ST-1; HS6ST1; MGC116899; MGC116901.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=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:	48kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HS6ST1:311-411/411
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 structures, which are responsible for executing multiple biologic activities, are generated and regulated by heparan sulfate (HS) biosynthetic enzymes. HS6ST1 (heparan sulfate 6-O-sulfotransferase 1), also known as HS6ST, is a 411 amino acid single-pass type II membrane protein that exists as multiple alternatively

spliced isoforms and belongs to the sulfotransferase 6 family. Expressed in fetal brain, HS6ST1 functions as a 6-O-sulfation enzyme that specifically catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to the N-sulfoglucosamine residue (GlcNS) HS. HS6ST1 is subject to post-translational N-glycosylation and is encoded by a functional gene on human chromosome 2 and a pseudogene on human chromosome 1 (known as LOC728969).

Function:

6-O-sulfation enzyme which catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to position 6 of the N-sulfoglucosamine residue (GlcNS) of heparan sulfate.

Subcellular Location:

Membrane; Single-pass type II membrane protein

Tissue Specificity:

Expressed in fetal brain.

Post-translational modifications:

N-glycosylated.

Similarity:

Belongs to the sulfotransferase 6 family.

SWISS:

O60243

Gene ID:

9394

Database links:

[Entrez Gene: 9394](#)Human

[Entrez Gene: 50785](#)Mouse

[Omim: 604846](#)Human

[SwissProt: O60243](#)Human

[SwissProt: Q9QYK5](#)Mouse

[Unigene: 512841](#)Human

[Unigene: 213566](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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