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Datasheet for ABIN6943728
anti-HS6ST1 antibody (AA 311-411) (Biotin)

Overview

Quantity:	100 µL
Target:	HS6ST1
Binding Specificity:	AA 311-411
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HS6ST1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HS6ST1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	HS6ST1
Alternative Name:	HS6ST1 (HS6ST1 Products)

Target Details

Background: Synonyms: 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.

Background: 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).

Gene ID: 9394

UniProt: [O60243](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months