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Datasheet for ABIN6978149

anti-HS6ST1 antibody (AA 311-411) (Alexa Fluor 555)

Overview

Quantity:	100 µL
Target:	HS6ST1
Binding Specificity:	AA 311-411
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HS6ST1 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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:	<p>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.</p> <p>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).</p>
Gene ID:	9394
UniProt:	O60243
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months