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Datasheet for ABIN6976676

## anti-HS2ST1 antibody (AA 221-320) (Alexa Fluor 350)

### Overview

Quantity:	100 µL
Target:	HS2ST1
Binding Specificity:	AA 221-320
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HS2ST1 antibody is conjugated to Alexa Fluor 350
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 HS2ST1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit,Zebrafish
Purification:	Purified by Protein A.

### Target Details

Target:	HS2ST1
Alternative Name:	HS2ST1 ( <a href="#">HS2ST1 Products</a> )

## Target Details

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Background:	<p>Synonyms: 2-O-sulfotransferase, 2OST, dJ604K5.2, FLJ11317, heparan sulfate 2 O sulfotransferase 1, Heparan sulfate 2-O-sulfotransferase 1, HS2ST_HUMAN, hs2st1, KIAA0448, MGC131986.</p> <p>Background: Heparan sulfate structures, which are responsible for executing multiple biologic activities, are generated and regulated by heparan sulfate biosynthetic enzymes. HS2ST1 is a 356 amino acid single-pass type II membrane protein that localizes to the golgi apparatus and belongs to the sulfotransferase 3 family. Expressed as multiple alternatively spliced isoforms, HS2ST1 functions to catalyze the transfer of sulfate groups to hexuronic acid residues within maturing heparan sulfate (HS), an event which is crucial for proper HS-related ligand binding and signaling processes. HS2ST1 is subject to post-translational N-glycosylation and, in addition to its role in HS function, may be involved in proper kidney formation.</p>
Gene ID:	9653
UniProt:	<a href="#">Q7LGA3</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Tube Formation</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

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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

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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
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

## Handling

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Expiry Date: 12 months