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anti-HS2ST1 antibody (N-Term)

2 Images



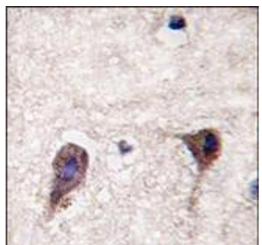
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OVERVIEW		
Quantity:	0.4 mL	
Target:	HS2ST1	
Binding Specificity:	N-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This HS2ST1 antibody is un-conjugated	
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)	
Product Details		
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human HS2ST1.	
Isotype:	lg Fraction	
Specificity:	This antibody reacts to HS2ST1.	
Purification:	Protein A column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS	
Target Details		
Target:	HS2ST1	
Alternative Name:	HS2ST1 / 20ST (HS2ST1 Products)	

Target Details

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Background:	Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. Heparan sulfate 2-0-sulfotransferase is a member of the heparan sulfate biosynthetic enzyme family. This family member transfers sulfate to the 2 position of the iduronic acid residue of heparan sulfate. The disruption of the HS2ST1 gene resulted in no kidney formation in knockout embryonic mice, indicating that the absence of this enzyme may interfere with the signaling required for kidney formation. Synonyms: 2-0-sulfotransferase, HS2ST, Heparan sulfate 2-0-sulfotransferase 1, KIAA0448		
Gene ID:	9653, 9606		
UniProt:	Q7LGA3		
Pathways:	Glycosaminoglycan Metabolic Process, Tube Formation, SARS-CoV-2 Protein Interactome		
Application Details			
Application Notes:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100.		
	Other applications not tested.		
	Optimal dilutions are dependent on conditions and should be determined by the user.		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Concentration:	0.25 mg/mL		
Buffer:	PBS with 0.09 % (W/V) sodium azide		
Preservative:	Sodium azide		
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.		
Handling Advice:	Avoid repeated freezing and thawing.		
Storage:	4 °C/-20 °C		
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.		



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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with HS2ST1 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of HS2ST1 (arrow) using rabbit polyclonal HS2ST1 Antibody