

HS3ST2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9513B

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9Y278
Other Accession	Q80W66 , Q673U1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24057
Calculated MW	41501
Antigen Region	317-346

Additional Information

Gene ID	9956
Other Names	Heparan sulfate glucosamine 3-O-sulfotransferase 2, Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 2, 3-OST-2, Heparan sulfate 3-O-sulfotransferase 2, h3-OST-2, HS3ST2, 3OST2
Target/Specificity	This HS3ST2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 317-346 amino acids from the C-terminal region of human HS3ST2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HS3ST2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HS3ST2
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Synonyms	3OST2
Function	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) to catalyze the transfer of a sulfo group to an N-unsubstituted glucosamine linked to a 2-O-sulfo iduronic acid unit on heparan sulfate (PubMed: 9988768). Catalyzes the O-sulfation of glucosamine in GlcA2S- GlcNS (PubMed: 9988768). Unlike HS3ST1/3-OST-1, does not convert non- anticoagulant heparan sulfate to anticoagulant heparan sulfate (PubMed: 9988768).
Cellular Location	Golgi apparatus membrane; Single- pass type II membrane protein
Tissue Location	Highly expressed in the brain and weakly expressed in the heart, placenta, lung and skeletal muscle

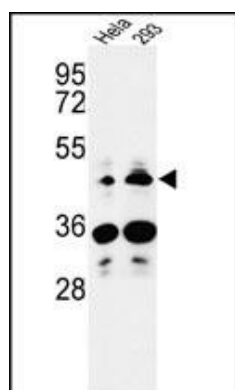
Background

Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. The enzyme is a member of the heparan sulfate biosynthetic enzyme family. It is a type II integral membrane protein and possesses heparan sulfate glucosaminyl 3-O-sulfotransferase activity.

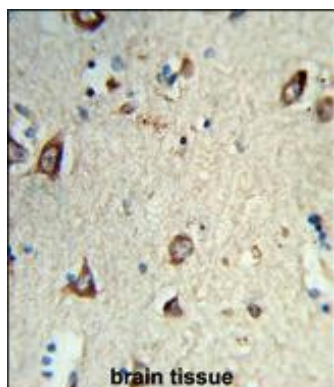
References

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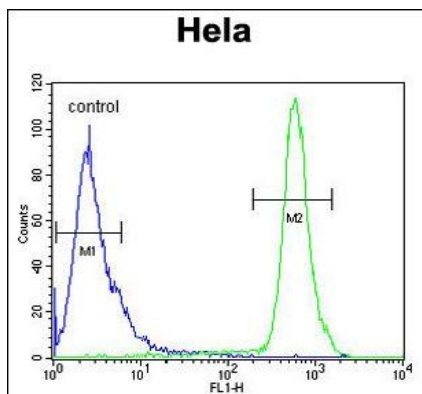
Images



Western blot analysis of HS3ST2 Antibody (C-term) (Cat. #AP9513b) in HeLa, 293 cell line lysates (35ug/lane). HS3ST2 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with HS3ST2 Antibody (C-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.



HS3ST2 Antibody (C-term) (Cat. #AP9513b) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.