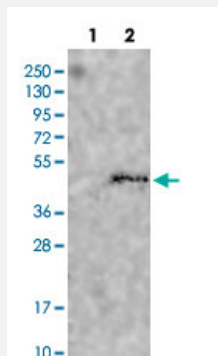


HS3ST1 polyclonal antibody

Catalog # PAB28581 Size 100 uL

Applications

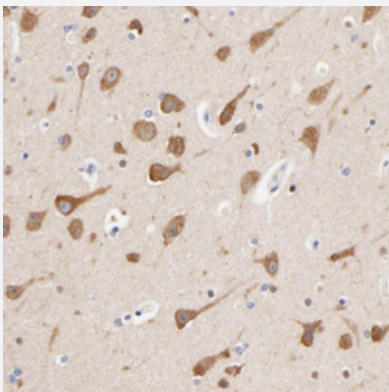


Western Blot (Transfected lysate)

Western blot analysis of HEK293T cell lysate using HS3ST1 polyclonal antibody (Cat # PAB28581).

Lane 1: Negative control (vector only)

Lane 2: Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human lateral ventricle wall with HS3ST1 polyclonal antibody (Cat # PAB28581) shows strong cytoplasmic positivity in neuronal cells. Retrieval method: HIER pH6

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant HS3ST1.
Immunogen	Recombinant protein corresponding to human HS3ST1.
Sequence	TQVFYNHMQKHKPYPSIEEFLVRDGRNLNVDYKALNRSLYHVMQNWLRFFPLRHHIVDGDRLIRD PFPEIQKVERFLKLSPOINASNFYFNKTKGFYCLRDSDGRDRCLHESKGRAHPQVDPKLLNKLHEY FHEPNKKFFELVGR
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:100-1:250) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — HS3ST1

Entrez GeneID	9957
Protein Accession#	O14792
Gene Name	HS3ST1
Gene Alias	3OST, 3OST1
Gene Description	heparan sulfate (glucosamine) 3-O-sulfotransferase 1
Omim ID	603244
Gene Ontology	Hyperlink

Gene Summary

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 encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. It possesses both heparan sulfate glucosaminyl 3-O-sulfotransferase activity, anticoagulant heparan sulfate conversion activity, and is a rate limiting enzyme for synthesis of anticoagulant heparan. This enzyme is an intraluminal Golgi resident protein. [provided by RefSeq]

Other Designations

heparan sulfate D-glucosaminyl 3-O-sulfotransferase 1|heparin-glucosamine 3-O-sulfotransferase

Pathway

- [Heparan sulfate biosynthesis](#)