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HS6ST1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP4929b

Specification

HS6ST1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O60243

HS6ST1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9394

Other Names
Heparan-sulfate 6-O-sulfotransferase 1, HS6ST-1, 282-, HS6ST1, HS6ST

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HS6ST1 Antibody (C-term) Blocking Peptide - Protein Information

Name HS6ST1 (HGNC:5201)

Synonyms HS6ST

Function
6-O-sulfation enzyme which catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to position 6 of the N-sulfoglucosamine residue (GlcNS) of heparan sulfate. Critical for normal neuronal development where it may play a role in neuron branching. May also play a role in limb development. May prefer iduronic acid.

Cellular Location
Membrane; Single-pass type II membrane protein

Tissue Location
Expressed in fetal brain.

HS6ST1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

HS6ST1 Antibody (C-term) Blocking Peptide - Images

HS6ST1 Antibody (C-term) Blocking Peptide - Background

HS6ST1 is a member of the heparan sulfate biosynthetic enzyme family. Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biological activities. This enzyme is a type II integral membrane protein and is responsible for 6-O-sulfation of heparan sulfate. This enzyme does not share significant sequence similarity with other known sulfotransferases. A pseudogene located on chromosome 1 has been found for this gene.

HS6ST1 Antibody (C-term) Blocking Peptide - References

Habuchi, H., et al. Biochem. J. 371 (PT 1), 131-142 (2003) Habuchi, H., et al. J. Biol. Chem. 273(15):9208-9213(1998)