

HS3ST2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9513b**Specification**

HS3ST2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y278](#)**HS3ST2 Antibody (C-term) Blocking Peptide - 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

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.

HS3ST2 Antibody (C-term) Blocking Peptide - Protein Information**Name** HS3ST2**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

HS3ST2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HS3ST2 Antibody (C-term) Blocking Peptide - Images

HS3ST2 Antibody (C-term) Blocking Peptide - 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.

HS3ST2 Antibody (C-term) Blocking Peptide - References

Ikeda, M., et al. Biol. Psychiatry 67(3):263-269(2010) Nat. Genet. 41(7):824-828(2009) Mochizuki, H., et al. J. Biol. Chem. 283(45):31237-31245(2008) Lawrence, R., et al. Matrix Biol. 26(6):442-455(2007) O'Donnell, C.D., et al. Virology 346(2):452-459(2006) Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)