

HS3ST3B1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12703**Specification**

HS3ST3B1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9Y662
Other Accession	NM_006041 , NP_006032
Reactivity	Human, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Pig, Horse, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 43kDa KDa

HS3ST3B1 antibody - N-terminal region - Additional Information**Gene ID** 9953**Alias Symbol** 3OST3B1, 3OST3B1**Other Names**

Heparan sulfate glucosamine 3-O-sulfotransferase 3B1, 2.8.2.30, Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3B1, 3-OST-3B, Heparan sulfate 3-O-sulfotransferase 3B1, h3-OST-3B, HS3ST3B1, 3OST3B1, HS3ST3B

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-HS3ST3B1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

HS3ST3B1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

HS3ST3B1 antibody - N-terminal region - Protein Information**Name** HS3ST3B1**Synonyms** 3OST3B1, HS3ST3B**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:10520990, PubMed:<a href="http://www.uniprot.org/citations/9988768"

target="_blank">9988768). Catalyzes the O-sulfation of glucosamine in IdoUA2S-GlcNS and also in IdoUA2S-GlcNH₂ (PubMed:10520990, PubMed:9988768). The substrate-specific O-sulfation generates an enzyme-modified heparan sulfate which acts as a binding receptor to Herpes simplex virus-1 (HSV-1) and permits its entry (PubMed:10520990). 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

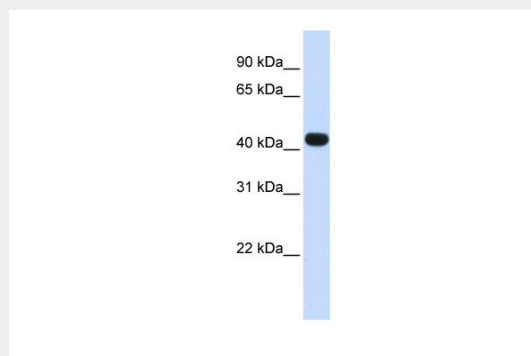
Tissue Location

Ubiquitous. Most abundant in liver and placenta, followed by heart and kidney.

HS3ST3B1 antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HS3ST3B1 antibody - N-terminal region - Images

WB Suggested Anti-HS3ST3B1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: Human Muscle

HS3ST3B190—
65—

40—

29—

22—

Rabbit Anti-HS3ST3B1
Sample Type: Human Fetal Heart
Antibody Concentration: 1ug/mL

Host: Rabbit

Target Name: HS3ST3B1

Sample Tissue: Human Fetal Heart

Antibody Dilution: 1.0µg/ml

HS3ST3B1 antibody - N-terminal region - References

Moon, A.F., (2004) J. Biol. Chem. 279(43), 45185-45193 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.