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

Specification

HS3ST3B1 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9Y662
Other Accession	NM_006041, NP_006032
Reactivity	**Human, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Pig, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**43kDa KDa**

HS3ST3B1 antibody - N-terminal region - Additional Information

Gene ID 9953

Alias Symbol	**30ST3B1, 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

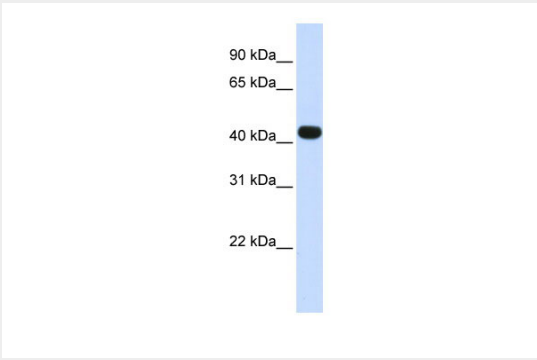
Tissue Location
Ubiquitous. Most abundant in liver and placenta, followed by heart and kidney.

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 Cytomety
- 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

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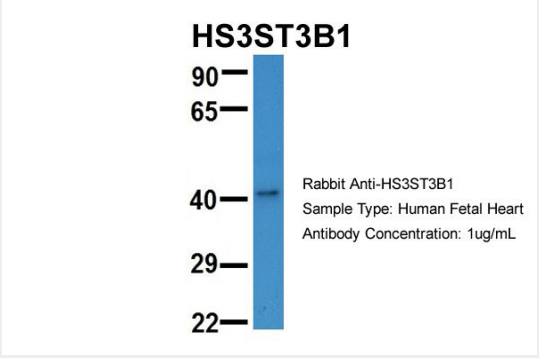

Host: Rabbit
Target Name: HS3ST3B1
Sample Tissue: Human Fetal Heart
Antibody Dilution: 1.0µg/ml

HS3ST3B1 antibody - N-terminal region - References

Moon,A.F.,(2004)J.Biol.Chem.279(43),45185-45193ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.