

# HS3ST3B1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12703

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9Y662</a>
<b>Other Accession</b>	<a href="#">NM_006041</a> , <a href="#">NP_006032</a>
<b>Reactivity</b>	Human, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Pig, Dog, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	43324

## Additional Information

<b>Gene ID</b>	9953
<b>Alias Symbol</b>	3OST3B1, 3OST3B1
<b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	HS3ST3B1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	HS3ST3B1
<b>Synonyms</b>	3OST3B1, HS3ST3B
<b>Function</b>	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: <a href="#">10520990</a> , PubMed: <a href="#">9988768</a> ). Catalyzes the O-sulfation of glucosamine in IdoUA2S-GlcNS and also in IdoUA2S-GlcNH2 (PubMed: <a href="#">10520990</a> , PubMed: <a href="#">9988768</a> ). 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](#)).

<b>Cellular Location</b>	Golgi apparatus membrane; Single- pass type II membrane protein
<b>Tissue Location</b>	Ubiquitous. Most abundant in liver and placenta, followed by heart and kidney.

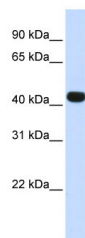
## References

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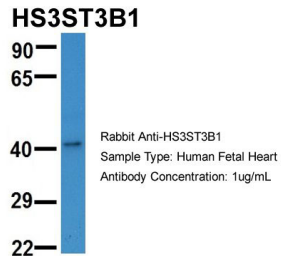
Moon,A.F.,(2004)J.Biol.Chem.279(43),45185-45193ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

## Images

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WB Suggested Anti-HS3ST3B1 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:62500  
Positive Control: Human Muscle



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.