

HS3ST3A1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56683**Specification****HS3ST3A1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9Y663
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44900

HS3ST3A1 Polyclonal Antibody - Additional Information**Gene ID** 9955**Other Names**

Heparan sulfate glucosamine 3-O-sulfotransferase 3A1, 2.8.2.30, Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1, 3-OST-3A, Heparan sulfate 3-O-sulfotransferase 3A1, h3-OST-3A, HS3ST3A1, 3OST3A1, HS3ST3A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

HS3ST3A1 Polyclonal Antibody - Protein Information**Name** HS3ST3A1**Synonyms** 3OST3A1, HS3ST3A**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](http://www.uniprot.org/citations/10520990), PubMed: [10608887](http://www.uniprot.org/citations/10608887), PubMed: [15304505](http://www.uniprot.org/citations/15304505), PubMed: [9988768](http://www.uniprot.org/citations/9988768)). Catalyzes the O-sulfation of glucosamine in IdoUA2S-GlcNS and also in IdoUA2S-GlcNH₂ (PubMed: [10520990](http://www.uniprot.org/citations/10520990), PubMed: [15304505](http://www.uniprot.org/citations/15304505), PubMed: [9988768](http://www.uniprot.org/citations/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:10520990).

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein

Tissue Location

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

HS3ST3A1 Polyclonal Antibody - 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](#)

HS3ST3A1 Polyclonal Antibody - Images