

Product datasheet for **TA332073**

HS3ST1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-HS3ST1 Antibody: synthetic peptide directed towards the middle region of human HS3ST1. Synthetic peptide located within the following region: TKGFYCLRDSGRDRCLHESKGRAHPQVDPKLLNKLHEYFHEPNKKFFELV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34 kDa
Gene Name:	heparan sulfate-glucosamine 3-sulfotransferase 1
Database Link:	NP_005105 Entrez Gene 9957 Human O14792



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Background:

HS3ST1 is the rate limiting enzyme for synthesis of HSact. HS3ST1 performs the crucial step modification in the biosynthesis of anticoagulant heparan sulfate (HSact) that is to complete the structure of the antithrombin pentasaccharide binding site. 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 encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. It possesses both heparan sulfate glucosaminyl 3-O-sulfotransferase activity, anticoagulant heparan sulfate conversion activity, and is a rate limiting enzyme for synthesis of anticoagulant heparan. This enzyme is an intraluminal Golgi resident protein.

Synonyms:

3OST; 3OST1

Note:

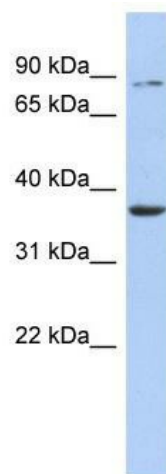
Immunogen sequence homology: Dog: 100%; Horse: 100%; Human: 100%; Pig: 92%; Rat: 92%; Mouse: 92%; Bovine: 92%; Rabbit: 92%; Guinea pig: 92%

Protein Families:

Druggable Genome

Protein Pathways:

Heparan sulfate biosynthesis

Product images:

WB Suggested Anti-HS3ST1 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 12500; Positive
Control: Human Stomach