

Datasheet for ABIN2777744
anti-HS3ST1 antibody (Middle Region)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	HS3ST1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Horse, Cow, Guinea Pig, Rabbit, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HS3ST1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HS3ST1
Sequence:	TKGFYCLRDS GRDRCLHESK GRAHPQVDPK LLNKLHEYFH EPNKKFFELV
Predicted Reactivity:	Cow: 92%, Dog: 100%, Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against HS3ST1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	HS3ST1
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Target Details

Alternative Name:	HS3ST1 (HS3ST1 Products)
Background:	<p>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.</p> <p>Alias Symbols: 3OST, 3OST1</p> <p>Protein Interaction Partner: LGR4, APP, UBC,</p> <p>Protein Size: 307</p>
Molecular Weight:	34 kDa
Gene ID:	9957
NCBI Accession:	NM_005114 , NP_005105
UniProt:	O14792
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 307 AA
Restrictions:	For Research Use only

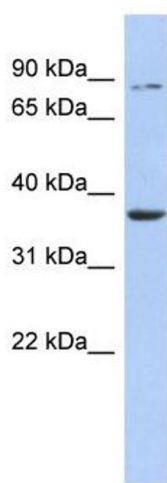
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	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.

Images



Western Blotting

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