

Datasheet for ABIN2463259

anti-HS3ST5 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	HS3ST5
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HS3ST5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human HS3ST5.
Purification:	Antibody is purified by peptide affinity chromatography method.

Target Details

Target:	HS3ST5
Alternative Name:	HS3ST5 (HS3ST5 Products)
Background:	HS3ST5 is the rate limiting enzyme for synthesis of HSact. It 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. HS3ST5 also generates GlcUA-GlcNS or IdoUA-GlcNS and IdoUA2S-GlcNH ₂ . The substrate-specific O-sulfation generates an enzyme-modified heparan sulfate which acts as a binding receptor to Herpes simplex virus-1

Target Details

(HSV-1) and permits its entry. HS3ST5 belongs to a group of heparan sulfate 3-O-sulfotransferases (EC 2.8.2.23) that transfer sulfate from 3-prime-phosphoadenosine 5-prime phosphosulfate (PAPS) to heparan sulfate and heparin (Mochizuki et al., 2003 [PubMed 12740361]).

Molecular Weight: 40 kDa

Gene ID: 222537

NCBI Accession: [NP_705840](#)

UniProt: [Q8IZT8](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: HS3ST5 antibody can be used for detection of HS3ST5 by ELISA at 1:1562500. HS3ST5 antibody can be used for detection of HS3ST5 by western blot at 0.5 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.

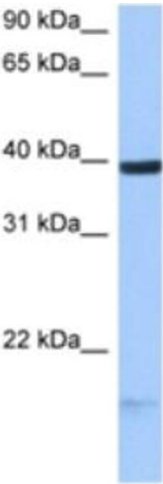
Concentration: 1 mg/mL

Buffer: Antibody is lyophilized in PBS buffer with 2 % sucrose.

Handling Advice: As with any antibody avoid repeat freeze-thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store HS3ST5 antibody at -20 °C.



Western Blotting

Image 1.