

Datasheet for ABIN636027 **anti-HS3ST5 antibody**



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1 Image

Overview

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

Product Details

Immunogen:	HS3 ST5 antibody was raised using a synthetic peptide corresponding to a region with amino acids SQYNLYFNATRGFYCLRFNIIFNKCLAGSKGRIHPEVDPSVITKLRKFFH
Purification:	Affinity purified

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.

Molecular Weight: 40 kDa (MW of target protein)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: WB: 0.5 µg/mL

Optimal conditions should be determined by the investigator.

Comment: HS3ST5 Blocking Peptide, catalog no. 33R-8735, is also available for use as a blocking control in assays to test for specificity of this HS3ST5 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of HS0 T5 antibody in PBS

Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.

Images



Western Blotting

Image 1. HS3ST5 antibody used at 0.5 µg/ml to detect target protein.