

HS3ST3A1 rabbit monoclonal antibody

Catalog # H00009955-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HS3ST3A1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human HS3ST3A1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HS3ST3A1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — HS3ST3A1

Entrez GeneID	9955
GeneBank Accession#	HS3ST3A1
Gene Name	HS3ST3A1
Gene Alias	30ST3A1, 3OST3A1
Gene Description	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1
Omim ID	604057
Gene Ontology	Hyperlink
Gene Summary	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 is a type II integral membrane protein and possesses heparan sulfate glucosaminyl 3-O-sulfotransferase activity. The sulfotransferase domain of this enzyme is highly similar to the same domain of heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1, and these two enzymes sulfate an identical disaccharide. This gene is widely expressed, with the most abundant expression in liver and placenta. [provided by RefSeq]
Other Designations	OTTHUMP00000064678 heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1 heparin-glucosamine 3-O-sulfotransferase

Pathway

- [Glycosaminoglycan degradation](#)
- [Heparan sulfate biosynthesis](#)