

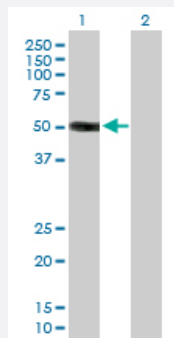
MaxPab®

HS3ST3A1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009955-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of HS3ST3A1 expression in transfected 293T cell line ([H00009955-T01](#)) by HS3ST3A1 MaxPab polyclonal antibody.

Lane 1: HS3ST3A1 transfected lysate(44.66 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human HS3ST3A1 protein.
Immunogen	HS3ST3A1 (NP_006033.1, 1 a.a. ~ 406 a.a) full-length human protein.
Sequence	<p>MAPPGPASALSTSAEPLSRIFRKFLMLCSLLTSLYVFYCLAERCQTLSPVVGLSGGGEEAGA</p> <p>PGGGVLAGGPRELAVWPAQAQRKRLQLPQWRRRRPPAPRDDGEEAAWEEESPGLSGGPGG</p> <p>SGAGSTVAEAPPGLTALLLDEGSKQLPQAIIIGVKKGGTRALLEFLRVHPDVRVGAEPHFDRSY</p> <p>DKGLAWYRDLMPRTLDDGQITMEKTPSYFVTREAPARISAMSKDTKLIVVVRDPVTRAISDYTQTLK</p> <p>RPDIPTFESLTFKNRTAGLIDTSWSAIIQIGYAKHLEHWRHFPIRQMLFVSGERLISDPAGELGRVQ</p> <p>DFLGLKRIITDKHFYFNKTKGFPCLKKAEGSSRPCHLGKTKGRTHPEIDREVVRRLREFYRPFNLKF</p> <p>YQMTGHDFGWDG</p>
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (82)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of HS3ST3A1 expression in transfected 293T cell line ([H00009955-T01](#)) by HS3ST3A1 MaxPab polyclonal antibody.

Lane 1: HS3ST3A1 transfected lysate(44.66 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — HS3ST3A1

Entrez GeneID [9955](#)

GeneBank Accession# [NM_006042.1](#)

Protein Accession# [NP_006033.1](#)

Gene Name HS3ST3A1

Gene Alias 3OST3A1, 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](#)