

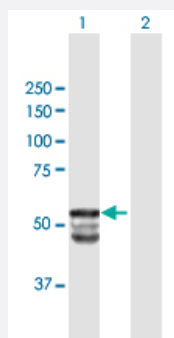
MaxPab®

GAL3ST1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009514-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of GAL3ST1 expression in transfected 293T cell line ([H00009514-T01](#)) by GAL3ST1 MaxPab polyclonal antibody.

Lane1:GAL3ST1 transfected lysate(46.53 KDa).

Lane2:Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human GAL3ST1 protein.
Immunogen	GAL3ST1 (AAH14649.1, 1 a.a. ~ 423 a.a) full-length human protein.
Sequence	MLPPQKKPWESMAKGLVLGALFTSFLLLMYSYAVPPLHAGLASTTPEAAASCSPPALEPEAVIRANGSAGECQPRRNIVFLKTHKTASSTLLNILFRFGQKHRLKFAFPNGRNDFDYPTFFARSLVQDYRPGACFNI CNHMRFH YDEVRLVPTNAIFITVLRDPARLFESSFHYFGPVVPLTWKLSAGDKLTEFLQDPDRYDPNGFN AHYLRNLLFFDLGYDNSLDPSSPQVQEHI LEVERRFHLVLLQEYFDESLVLLKDLLCWELEDVLYFKLNARRDSPVPRLSGELYGRATAWNMLDSHL YRHFNASFWRKVEAFGRERMAREVAALRHANERMRTICIDGGHAVDAAAIQDEAMQPWQPLGTKSILGYNLKKSIGQRHAQLCRRMLTPEIQYLMDLGANLWVTKLWKFIRDFLRW
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (84)
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

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Western Blot analysis of GAL3ST1 expression in transfected 293T cell line ([H00009514-T01](#)) by GAL3ST1 MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — GAL3ST1

Entrez GeneID [9514](#)

GeneBank Accession# [BC014649.1](#)

Protein Accession# [AAH14649.1](#)

Gene Name GAL3ST1

Gene Alias CST

Gene Description galactose-3-O-sulfotransferase 1

Omim ID [602300](#)

Gene Ontology [Hyperlink](#)

Gene Summary Sulfonation, an important step in the metabolism of many drugs, xenobiotics, hormones, and neurotransmitters, is catalyzed by sulfotransferases. The product of this gene is galactosylceramide sulfotransferase which catalyzes the conversion between 3'-phosphoadenylylsulfate + a galactosylceramide to adenosine 3',5'-bisphosphate + galactosylceramide sulfate. Activity of this sulfotransferase is enhanced in renal cell carcinoma. [provided by RefSeq]

Other Designations GalCer sulfotransferase|cerebroside (3'-phosphoadenylylsulfate:galactosylceramide 3') sulfotransferase

Publication Reference

- [Effects of hypertension and antihypertensive treatments on sulfatide levels in serum and its metabolism.](#)

Guo R, Hu X, Yamada Y, Harada M, Nakajima T, Kashiwara T, Yamada M, Aoyama T, Kamijo Y.

Hypertension Research 2018 Dec; [Epub].

Application: WB-Ti, Mouse, Mouse livers

- [Peroxisome proliferator-activated receptor \$\alpha\$ attenuates high-cholesterol diet-induced toxicity and pro-thrombotic effects in mice.](#)

Lu Y, Harada M, Kamijo Y, Nakajima T, Tanaka N, Sugiyama E, Kyogashima M, Gonzalez FJ, Aoyama T.

Archives of Toxicology 2018 Oct; [Epub].

Application: WB-Ti, Mouse, Mouse livers

- [Acute kidney injury induced by protein-overload nephropathy down-regulates gene expression of hepatic cerebroside sulfotransferase in mice, resulting in reduction of liver and serum sulfatides.](#)

Zhang X, Nakajima T, Kamijo Y, Li G, Hu R, Kannagi R, Kyogashima M, Aoyama T, Hara A.

Biochemical and Biophysical Research Communications 2009 Dec; 390(4):1382.

Application: WB, Mouse, Liver, Kidney

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)