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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ST3GAL1 purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00006482-B01P

規格 : [50 ug]

[List All](#)

Specification

Product Description: Mouse polyclonal antibody raised against a full-length human ST3GAL1 protein.

Immunogen: ST3GAL1 (NP_003024.1, 1 a.a. ~ 340 a.a) full-length human protein.

Sequence:
 MVTLRKRTLKVLTFVLVFIFLTSSFFLNYSHTMVATTWFPKQMVLELSENL
 KRLIKHRPCTCTHCIGQRKLSAWFDERFNQTMQPLLTAQNALLEDDTYR
 WWLRLQREKKPNLNDTIKELFRVVPGNVDPMLEKRSVGCRRCAVGN
 SGNLRESSYGPEIDSHDFVLRMKNKAPTAGFEADVGTKTTHHLVYPSFR
 ELGDMVSMILVPFKIDLEWVSAITGTISHTYIPVPAKIRVKQDKILYHPA
 FIKYVFDNWLQGHGRYPSTGILSVIFSMHVCDEVLDLYGFGADSKGNWHH
 YWENNPSAGAFRKTGVHDADFESNVTATLASINKIRIFKGR

Host: Mouse

Reactivity: Human

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.

MSDS:  [Download](#)

Datasheet:  [Download](#)

Publication Reference

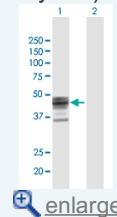
- [Keratin 1 plays a critical role in Golgi localization of Core 2 N-acetylglucosaminyltransferase M via interaction with its cytoplasmic tail.](#)
Petrosyan A, Ali MF, Cheng PWJ Biol Chem. 2015 Jan 20. pii: jbc.M114.618702.
- [Golgi fragmentation induced by heat shock or inhibition of heat shock proteins is mediated by non-muscle myosin IIA via its interaction with glycosyltransferases.](#)
Petrosyan A, Cheng PWCell Stress Chaperones. 2013 Aug 30.

Applications

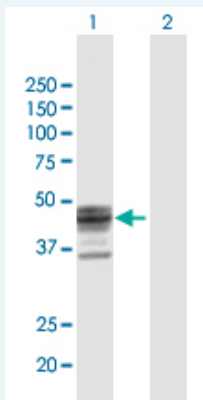
Western Blot (Transfected lysate)

Application Image

Western Blot (Transfected lysate)



 [enlarge](#)



Western Blot analysis of ST3GAL1 expression in transfected 293T cell line ([H00006482-T01](#)) by ST3GAL1 MaxPab polyclonal antibody.

Lane 1: ST3GAL1 transfected lysate(37.4 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [6482](#)

GeneBank Accession#: [NM_003033.2](#)

Protein Accession#: [NP_003024.1](#)

Gene Name: ST3GAL1

Gene Alias: DKFZp666E036,DKFZp779K2051,FLJ36548,GalNAc6S,MGC9183,SIAT4A,SIATFL,ST3GalA,ST3GalA.1,ST3GalIA,ST3GalIA.1,ST3O

Gene Description: ST3 beta-galactoside alpha-2,3-sialyltransferase 1

Omim ID: [607187](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is normally found in the Golgi but can be proteolytically processed to a soluble form. Correct glycosylation of the encoded protein may be critical to its sialyltransferase activity. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4B. Two transcript variants encoding the same protein have been found for this gene. Other transcript variants may exist, but have not been fully characterized yet. [provided by RefSeq]

Other Designations: CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase,Gal-beta-1,3-GalNAc-alpha-2,3-sialyltransferase,alpha-2,3-ST,sialyltransferase 4A (beta-galactosidase alpha-2,3-sialyltransferase),sialyltransferase 4A (beta-galactoside alpha-2,3-sialyltransferase)

Gene Pathway

[Glycosphingolipid biosynthesis - ganglio series](#)
[Glycosphingolipid biosynthesis - globo series](#) [Keratan sulfate biosynthesis](#)
[Metabolic pathways](#) [O-Glycan biosynthesis](#)

Related Disease

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