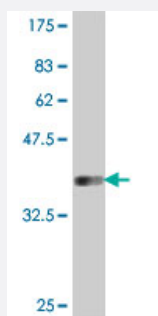


ST3GAL5 polyclonal antibody (A01)

Catalog # H00008869-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (35.68 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ST3GAL5.
Immunogen	ST3GAL5 (NP_003887, 31 a.a. ~ 117 a.a) partial recombinant protein with GST tag.
Sequence	YTTEECDMKMKMHYVDPDHVKRAQKYAQQVLQKECRPKFAKTSMALLFEHRYSDLLPFVQKAP KDSEAESKYDPPFGFRKFSSKVQT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (83)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.68 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ST3GAL5

Entrez GeneID [8869](#)

GeneBank Accession# [NM_003896](#)

Protein Accession# [NP_003887](#)

Gene Name ST3GAL5

Gene Alias SIAT9, SIATGM3S, ST3GalV

Gene Description ST3 beta-galactoside alpha-2,3-sialyltransferase 5

Omim ID [604402 609056](#)

Gene Ontology [Hyperlink](#)

Gene Summary Ganglioside GM3 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. The protein encoded by this gene is a type II membrane protein which catalyzes the formation of GM3 using lactosylceramide as the substrate. The encoded protein is a member of glycosyltransferase family 29 and may be localized to the Golgi apparatus. Mutation in this gene has been associated with Amish infantile epilepsy syndrome. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations CMP-NeuAc:lactosylceramide alpha-2,3-sialyltransferase|GM3 synthase|OTTHUMP00000160673|alpha 2,3-sialyltransferase V|lactosylceramide alpha-2,3-sialyltransferase|sialyltransferase 9 (CMP-NeuAc:lactosylceramide alpha-2,3-sialyltransferase; GM3 synthase)

Publication Reference

- [Glycosylation-related gene expression is linked to differentiation status in glioblastomas undifferentiated cells.](#)

Cheray M, Petit D, Forestier L, Karayan-Tapon L, Maftah A, Jauberteau MO, Battu S, Gallet FP, Lalloue F.

Cancer Letters 2011 Dec; 312(1):24.

Application: WB-Ce, Human, U87 MG, U251 cells

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Metabolic pathways](#)

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Ovarian Neoplasms](#)