

ST3GAL5 rabbit monoclonal antibody

Catalog # H00008869-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ST3GAL5 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ST3GAL5 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 ST3GAL5 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 — ST3GAL5

Entrez GeneID	8869
GeneBank Accession#	ST3GAL5
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)

Pathway

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

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)

- [HIV Infections](#)
- [Ovarian Neoplasms](#)