ST3GAL1 rabbit monoclonal antibody

Catalog # H00006482-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ST3GAL1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ST3GAL1 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 ST3GAL1 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 in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — ST3GAL1

Entrez GeneID	6482
GeneBank Accession#	ST3GAL1
Gene Name	ST3GAL1
Gene Alias	DKFZp666E036, DKFZp779K2051, FLJ36548, Gal-NAc6S, 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-sialytransferase)|sialyltransferase 4A (beta-galactoside alpha-2,3-sialy

Pathway

- Glycosphingolipid biosynthesis - ganglio series
- Glycosphingolipid biosynthesis - globo series
- Keratan sulfate biosynthesis
- Metabolic pathways
- O-Glycan biosynthesis

Disease

- Bipolar Disorder
- Genetic Predisposition to Disease
- Schizophrenia
- Tobacco Use Disorder