

ST8SIA4 rabbit monoclonal antibody

Catalog # H00007903-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ST8SIA4 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ST8SIA4 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 ST8SIA4 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 — ST8SIA4

Entrez GeneID	7903
GeneBank Accession#	ST8SIA4
Gene Name	ST8SIA4
Gene Alias	MGC34450, MGC61459, PST, PST1, SIAT8D, ST8SIA-IV
Gene Description	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4
Omim ID	602547
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene catalyzes the polycondensation of alpha-2,8-linked sialic acid required for the synthesis of polysialic acid, a modulator of the adhesive properties of neural cell adhesion molecule (NCAM1). The encoded protein, which is a member of glycosyltransferase family 29, is a type II membrane protein that may be present in the Golgi apparatus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	CMP-N-acetylneuraminate-poly-alpha-2,8-sialyl transferase alpha-2,8-sialyltransferase 8D polysialyltransferase-1 sialyltransferase 8 (alpha-2, 8-polysialyltransferase) D sialyltransferase 8D (alpha-2, 8-polysialyltransferase)

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Hypertension](#)
- [Pre-Eclampsia](#)

- [Pregnancy Complications](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)