

ST3GAL5 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5834b**Specification**

ST3GAL5 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O9UNP4](#)
Other Accession [NP_003887.3](#), [NP_001035902.1](#)

ST3GAL5 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 8869

Other Names

Lactosylceramide alpha-2, 3-sialyltransferase, CMP-NeuAc:lactosylceramide alpha-2, 3-sialyltransferase, Ganglioside GM3 synthase, ST3Gal V, ST3GalV, Sialyltransferase 9, ST3GAL5, SIAT9

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ST3GAL5 Antibody (C-term) Blocking peptide - Protein Information

Name ST3GAL5

Synonyms SIAT9

Function

Transfers the sialyl group (N-acetyl-alpha-neuraminy or NeuAc) from CMP-NeuAc to the non-reducing terminal galactose (Gal) of glycosphingolipids forming gangliosides (important molecules involved in the regulation of multiple cellular processes, including cell proliferation and differentiation, apoptosis, embryogenesis, development, and oncogenesis) (PubMed:9822625, PubMed:16934889). Mainly involved in the biosynthesis of ganglioside GM3 but can also use different glycolipids as substrate acceptors such as D- galactosylceramide (GalCer), asialo-GM2 (GA2) and asialo-GM1 (GA1), although less preferentially than beta-D-Gal-(1->4)-beta-D-Glc-(1<->1)- Cer (LacCer) (PubMed:16934889).

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

Ubiquitous. High expression in brain, skeletal muscle, placenta, and testis. mRNA widely distributed in human brain, but slightly elevated expression was observed in the cerebral cortex, temporal lobe, and putamen.

ST3GAL5 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ST3GAL5 Antibody (C-term) Blocking peptide - Images