

ST3GAL5 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5834b**Specification**

ST3GAL5 Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	O9UNP4
Other Accession	NP_003887.3 , NP_001035902.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	389-418

ST3GAL5 Antibody (C-term) - 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

Target/Specificity

This ST3GAL5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 389-418 amino acids of human ST3GAL5.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ST3GAL5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ST3GAL5 Antibody (C-term) - 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-(11)-Cer (LacCer) (PubMed:[16934889](#)).

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

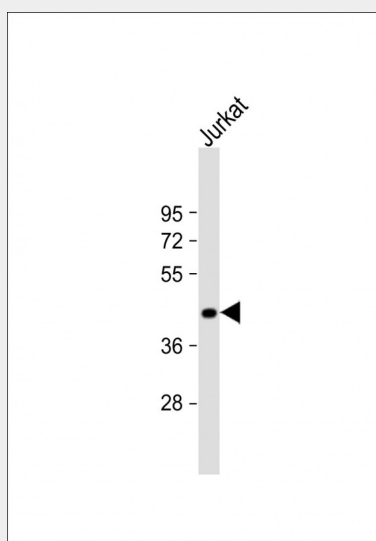
Ubiquitous. High expression in brain, skeletal muscle, placenta, and testis. mRNA widely distributed in human brain, but slightly elevated expression was observed in the cerebral cortex, temporal lobe, and putamen.

ST3GAL5 Antibody (C-term) - Protocols

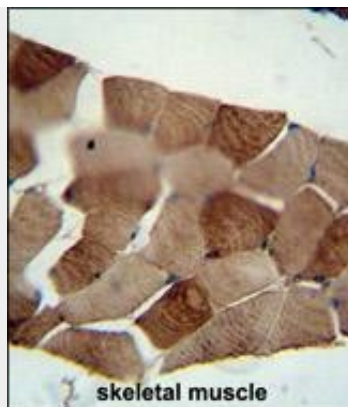
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

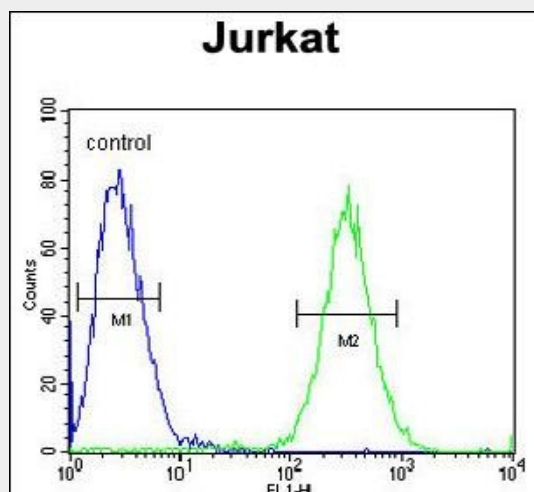
ST3GAL5 Antibody (C-term) - Images



Anti-ST3GAL5 Antibody (C-term) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ST3GAL5 antibody (C-term) (Cat. #AP5834b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ST3GAL5 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



ST3GAL5 Antibody (C-term) (Cat. #AP5834b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ST3GAL5 Antibody (C-term) - Citations

- [TWIST1-Induced miR-424 Reversibly Drives Mesenchymal Programming while Inhibiting Tumor Initiation.](#)