

**ST3GAL2 polyclonal antibody**

Catalog: BS31336

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 2: A beta-galactoside alpha2-3 sialyltransferase primarily involved in terminal sialylation of ganglio and globo series glycolipids. Catalyzes the transfer of sialic acid (N-acetyl-neuraminic acid; Neu5Ac) from the nucleotide sugar donor CMP-Neu5Ac onto acceptor Galbeta-(1->3)-GalNAc-terminated glycoconjugates through an alpha2-3 linkage. Sialylates GM1/GM1a, GA1/asialo-GM1 and GD1b gangliosides to form GD1a, GM1b and GT1b, respectively. Together with ST3GAL3, primarily responsible for biosynthesis of brain GD1a and GT1b that function as ligands for myelin-associated glycoprotein MAG on axons, regulating MAG expression and axonal myelin stability and regeneration (By similarity). Via GT1b regulates TLR2 signaling in spinal cord microglia in response to nerve injury (By similarity). Responsible for the sialylation of the pluripotent stem cell- and cancer stem cell-associated antigen SS...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~40.2 kDa

Swiss-Prot:

Q16842

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

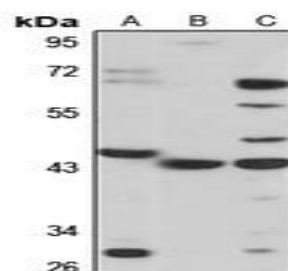
WB (1/500 - 1/2000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of ST3GAL2 protein

DATA:

Western blot analysis of ST3GAL2 expression in mouse testis (A), rat thymus (B) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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