

**DATASHEET**

**ST3GAL2 Rabbit Polyclonal Antibody**

CAT. NO. APA16990

**KEY FEATURES**

Target	ST3GAL2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

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 . Via GT1b regulates TLR2 signaling in spinal cord microglia in response to nerve injury .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
----	----------------

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

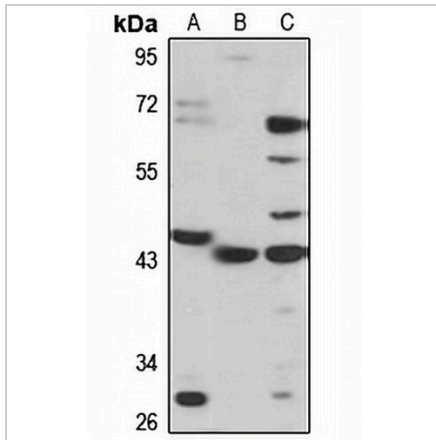
Description	Rabbit polyclonal antibody to ST3GAL2
Specificity	Recognizes endogenous levels of ST3GAL2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ST3GAL2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 40 kD; Observed: 40-45 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	SIAT4B; CMP-N-acetylneuraminase-beta-galactosamide-alpha-2 3-sialyltransferase 2; Alpha 2 3-ST 2; Beta-galactoside alpha-2 3-sialyltransferase 2; Gal-NAc6S; Gal-beta-1 3-GalNAc-alpha-2 3-sialyltransferase; ST3Gal II; ST3GalIII; ST3GalA.2; Sialyltransferase 4B; SIAT4-B
Gene Symbol	ST3GAL2
Entrez Gene	6483(Human); 20444(Mouse); 64442(Rat)
SwissProt	Q16842(Human); Q11204(Mouse); Q11205(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET****ST3GAL2 Rabbit Polyclonal Antibody**

CAT. NO. APA16990

**DATA**

Western blot analysis of ST3GAL2 expression in A549 (A), mouse kidney (B), rat brain (C) whole cell lysates. (Predicted band size: 40 kD; Observed band size: 40-45 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.