

DATASHEET

ST3GAL4 Rabbit Polyclonal Antibody

CAT. NO. APA12855

KEY FEATURES

Target	ST3GAL4	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 involved in terminal sialylation of glycoproteins and 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- and Galbeta-(1->4)-GlcNAc-terminated glycoconjugates through an alpha2-3 linkage . Plays a major role in hemostasis. Responsible for sialylation of plasma VWF/von Willebrand factor, preventing its recognition by asialoglycoprotein receptors (ASGPR) and subsequent clearance. Regulates ASGPR-mediated clearance of platelets . Participates in the biosynthesis of the sialyl Lewis X epitopes, both on O- and N-glycans, which are recognized by SELE/E-selectin, SELP/P-selectin and SELL/L-selectin.

APPLICATION

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

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

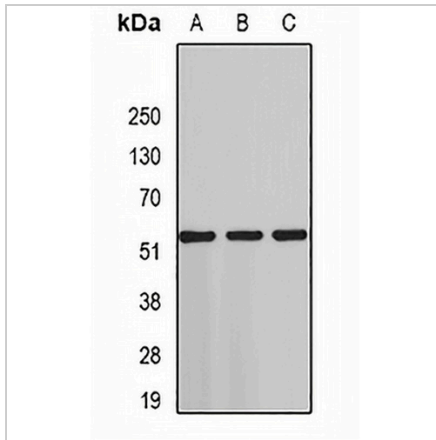
Description	Rabbit polyclonal antibody to ST3GAL4
Specificity	Recognizes endogenous levels of ST3GAL4 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ST3GAL4
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 36; Observed: 55 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	CGS23; NANTA3; SIAT4C; STZ; CMP-N-acetylneuraminic acid-beta-galactosamide-alpha-2,3-sialyltransferase 4; Alpha 2,3-ST 4; Beta-galactoside alpha-2,3-sialyltransferase 4; Alpha 2,3-sialyltransferase IV; Gal-NAC6S; Gal-beta-1,4-GalNAc-alpha-2,3-sialyltransferase; SAT-3; ST-4; ST3Gal IV; ST3GalIV; ST3GalA.2; STZ; Sialyltransferase 4C; SIAT4-C
Gene Symbol	ST3GAL4
Entrez Gene	6484(Human); 20443(Mouse); 363040(Rat)
SwissProt	Q11206(Human); Q91Y74(Mouse); P61131(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact 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.

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DATA

Western blot analysis of ST3GAL4 expression in HT29 (A), rat testis (B), rat liver (C) whole cell lysates. (Predicted band size: 36; 37; 38 kD; Observed band size: 55 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.