

DATASHEET

Sialyltransferase 7E Rabbit Polyclonal Antibody

CAT. NO. APA16993

KEY FEATURES

Target	Sialyltransferase 7E	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

Predominantly catalyzes the biosynthesis of ganglioside GD1alpha from GM1b in the brain, by transferring the sialyl group (N-acetyl-alpha-neuraminyl or NeuAc) from CMP-NeuAc to the GalNAc residue on the NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc sequence of GM1b from CMP-NeuAc to the GalNAc residue on the NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc sequence of GM1b . GD1alpha is a critical molecule in the communication and interaction between neuronal cells and their supportive cells, particularly in brain tissues, and functions as an adhesion molecule in the process of metastasis .

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

PRODUCT OVERVIEW

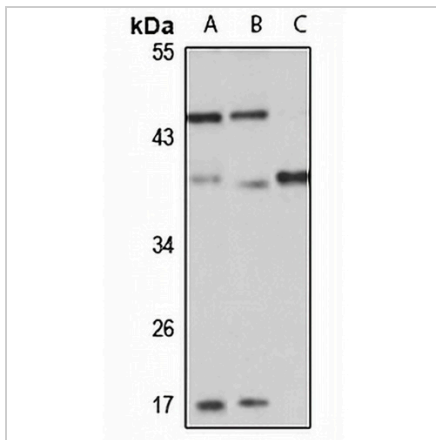
Description	Rabbit polyclonal antibody to Sialyltransferase 7E
Specificity	Recognizes endogenous levels of Sialyltransferase 7E protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Sialyltransferase 7E. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 38 kD; Observed: 38 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	SIAT7E; Alpha-N-acetylgalactosaminide alpha-2 6-sialyltransferase 5; GD1 alpha synthase; GalNAc alpha-2 6-sialyltransferase V; ST6GalNAc V; ST6GalNAcV; Sialyltransferase 7E; SIAT7-E
Gene Symbol	ST6GALNAC5
Entrez Gene	81849(Human); 26938(Mouse)
SwissProt	Q9BVH7(Human); Q9QYJ1(Mouse)

*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 Sialyltransferase 7E expression in HEK293T (A), mouse brain (B), rat testis (C) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 38 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.