

DATASHEET

ST8SIA1 Rabbit Polyclonal Antibody

CAT. NO. APA16994

KEY FEATURES

Target	ST8SIA1	Source / Host	Rabbit
Reactivity	Human	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

Catalyzes the addition of sialic acid in alpha 2,8-linkage to the sialic acid moiety of the ganglioside GM3 to form ganglioside GD3; gangliosides are a subfamily of complex glycosphingolipids that contain one or more residues of sialic acid . Can catalyze the addition of a second alpha-2,8-sialic acid to GD3 to form GT3 . Can use GM1b, GD1a and GT1b as acceptor substrates to synthesize GD1c, GT1a and GQ1b respectively . Can synthesize unusual tetra- and pentasialylated lactosylceramide derivatives identified as GQ3 (II3Neu5Ac4-Gg2Cer) and GP3 (II3Neu5Ac5-Gg2Cer) in breast cancer cells .

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

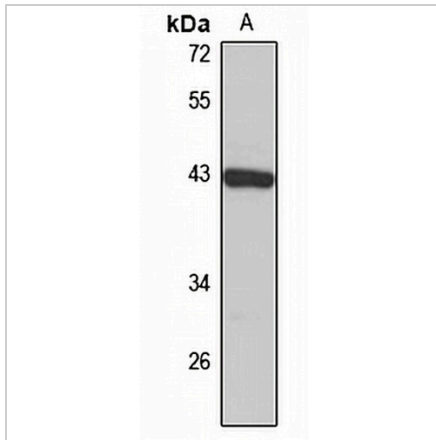
Description	Rabbit polyclonal antibody to ST8SIA1
Specificity	Recognizes endogenous levels of ST8SIA1 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ST8SIA1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 15; Observed: 40 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	SIAT8; SIAT8A; Alpha-N-acetylneuraminide alpha-2 8-sialyltransferase; Alpha-2 8-sialyltransferase 8A; Ganglioside GD3 synthase; Ganglioside GT3 synthase; Sialyltransferase 8A; SIAT8-A; Sialyltransferase St8Sia I; ST8SiaI
Gene Symbol	ST8SIA1
Entrez Gene	6489(Human)
SwissProt	Q92185(Human)

*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 ST8SIA1 expression in SGC7901 (A) whole cell lysates. (Predicted band size: 15; 40 kD; Observed band size: 40 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.