ARG43443
anti-ST8sia1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ST8sia1
Tested Reactivity	Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ST8sia1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 49-270 of Human ST8sia1 (NP_003025.1).
Conjugation	Un-conjugated
Alternate Names	SIAT8A; Sialyltransferase 8A; Ganglioside GT3 synthase; SIAT8; Alpha-2,8-sialyltransferase 8A; EC 2.4.99.8; Alpha-N-acetylneuraminide alpha-2,8-sialyltransferase; Ganglioside GD3 synthase; ST8SiaI; GD3S; SIAT8-A; Sialyltransferase St8Sia I

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	SGC-7901
Observed Size	~ 41 kDa

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ST8SIA1
Gene Full Name	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1
Background	Gangliosides are membrane-bound glycosphingolipids containing sialic acid. Ganglioside GD3 is known to be important for cell adhesion and growth of cultured malignant cells. The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to GM3 to produce gangliosides GD3 and GT3. The encoded protein may be found in the Golgi apparatus and is a member of glycosyltransferase family 29. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2015]
Function	Involved in the production of gangliosides GD3 and GT3 from GM3; gangliosides are a subfamily of complex glycosphinglolipds that contain one or more residues of sialic acid. [UniProt]
Calculated Mw	41 kDa
Cellular Localization	Golgi apparatus membrane; Single-pass type II membrane protein. [UniProt]