

Datasheet for ABIN954963

anti-ST8SIA4 antibody (Middle Region)**3** Images[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	ST8SIA4
Binding Specificity:	AA 193-222, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ST8SIA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide between 193~222 amino acids from the Central region of human ST8SIA4
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ST8SIA4.
Cross-Reactivity (Details):	Species reactivity (tested): Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	ST8SIA4
Alternative Name:	ST8SIA4 (ST8SIA4 Products)

Target Details

Background: The protein encoded by this gene catalyzes the polycondensation of alpha-2,8-linked sialic acid required for the synthesis of polysialic acid, a modulator of the adhesive properties of neural cell adhesion molecule (NCAM1). The encoded protein, which is a member of glycosyltransferase family 29, is a type II membrane protein that may be present in the Golgi apparatus. Synonyms: 8-sialyltransferase, 8-sialyltransferase 8D, Alpha-2, CMP-N-acetylneuraminate-poly-alpha-2, PST, PST1, Polysialyltransferase-1, SIAT8-D, SIAT8D, ST8SiaIV, Sialyltransferase 8D, St8Sia IV

Molecular Weight: 41295 Da

Gene ID: 7903

NCBI Accession: [NP_005659](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS, 0.09 % (W/V) sodium azide

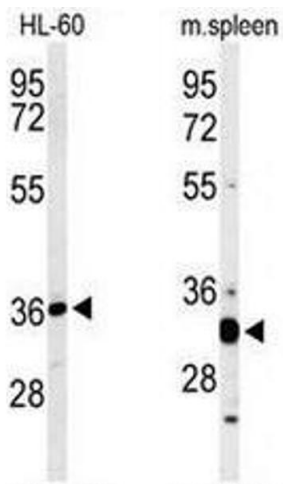
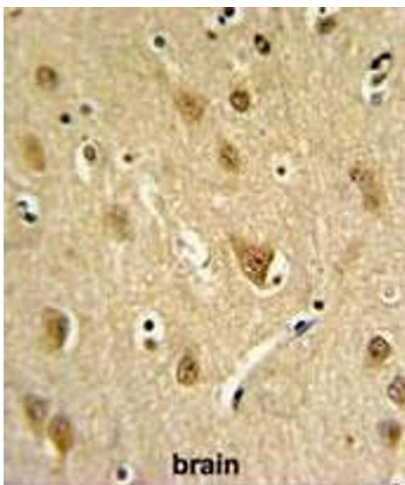
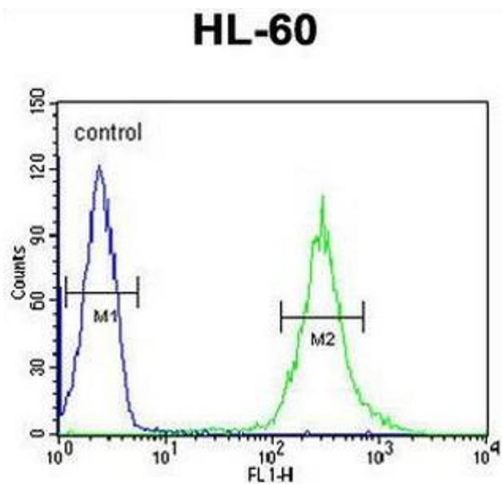
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. ST8SIA4 Antibody (Center) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. ST8SIA4 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ST8SIA4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 3. LEFT: Western blot analysis of ST8SIA4 Antibody (Center) in HL-60 cell line lysates (35µg/lane). ST8SIA4 (arrow) was detected using the purified Pab. RIGHT: Western blot analysis of ST8SIA4 Antibody (Center) in mouse spleen tissue lysates (35µg/lane). ST8SIA4 (arrow) was detected using the purified Pab.