Datasheet for ABIN7602297

anti-ST8SIA2 antibody (AA 69-267)

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Overview

Quantity:	100 µg
Target:	ST8SIA2
Binding Specificity:	AA 69-267
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ST8SIA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-ST8SIA2 Antibody Picoband®
Immunogen:	E.coli-derived human ST8SIA2 recombinant protein (Position: D69-R267).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ST8SIA2 Antibody Picoband® (ABIN7602297). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ST8SIA2
Alternative Name:	ST8SIA2 (ST8SIA2 Products)
Background:	Synonyms: Troponin T, fast skeletal muscle, TnTf, Beta-TnTF, Fast skeletal muscle troponin T, fTnT, TNNT3 Tissue Specificity: In fetal and adult fast skeletal muscles, with a higher level expression in fetal than in adult muscle. Background: Alpha-2,8-sialyltransferase 8B is an enzyme that in humans is encoded by the ST8SIA2 gene. The protein encoded by this gene is a type II membrane protein that is thought to catalyze the transfer of sialic acid from CMP-sialic acid to N-linked oligosaccharides and glycoproteins. The encoded protein may be found in the Golgi apparatus and may be involved in the production of polysialic acid, a modulator of the adhesive properties of neural cell adhesion molecule (NCAM1). This protein is a member of glycosyltransferase family 29.
Molecular Weight:	39 kDa
Gene ID:	8128
UniProt:	Q92186

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Angata, K., Long, J. M., Bukalo, O., Lee, W., Dityatev, A., Wynshaw-Boris, A., Schachner, M., Fukuda, M., Marth, J. D. Sialyltransferase ST8Sia-II assembles a subset of polysialic acid that s hippocampal axonal targeting and promotes fear behavior. J. Biol. Chem. 279: 32603-32613, 2004. 2. Angata, K., Nakayama, J., Fredette, B., Chong, K., Ranscht, B., Fukuda, M. Human STX polysialyltransferase forms the embryonic form of the neural cell adhesion molecule: tissue-specific expression, neurite outgrowth, and chromosomal localization in comparison with another polysialyltransferase, PST. J. Biol. Chem. 272: 7182-7190, 1997. 3. Angata, K., Suzuki, M., McAuliffe, J., Ding, Y., Hindsgaul, O., Fukuda, M. Differential biosynthesis of polysialic acid on neural cell adhesion molecule (NCAM) and oligosaccharide acceptors by three distinct alpha-2,8-sialyltransferases, ST8Sia IV (PST), ST8Sia II (STX), and ST8Sia III. J. Biol. Chem. 275: 18594-18601, 2000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.

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