

Datasheet for ABIN7600774
anti-SIAE antibody (AA 230-523)



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Overview

Quantity:	100 µg
Target:	SIAE
Binding Specificity:	AA 230-523
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIAE antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	Anti-SIAE Antibody Picoband®
Immunogen:	E.coli-derived human SIAE recombinant protein (Position: R230-K523).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SIAE Antibody Picoband® (ABIN7600774). Tested in ELISA, IHC, WB applications. This antibody reacts with Human. 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:	SIAE
Alternative Name:	SIAE (SIAE Products)
Background:	<p>Synonyms: BMP and activin membrane-bound inhibitor homolog, Non-metastatic gene A protein, Putative transmembrane protein, NMA, BAMBI, NMA</p> <p>Tissue Specificity: Expressed in adult liver.</p> <p>Background: This gene encodes an enzyme which removes 9-O-acetylation modifications from sialic acids. Mutations in this gene are associated with susceptibility to autoimmune disease 6. Multiple transcript variants encoding different isoforms, found either in the cytosol or in the lysosome, have been found for this gene.</p>
Molecular Weight:	70 kDa
Gene ID:	54414

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Cariappa, A., Takematsu, H., Liu, H., Diaz, S., Haider, K., Boboila, C., Kalloo, G., Connole, M., Shi, H. N., Varki, N., Varki, A., Pillai, S. B cell antigen receptor signal strength and peripheral B cell development are regulated by a 9-O-acetyl sialic acid esterase. J. Exp. Med. 206: 125-138, 2009.</p> <p>2. Surolia, I., Pirnie, S. P., Chellappa, V., Taylor, K. N., Cariappa, A., Moya, J., Liu, H., Bell, D. W., Driscoll, D. R., Diederichs, S., Haider, K., Netravali, I., and 21 others. Functionally defective germline variants of sialic acid acetyltransferase in autoimmunity. Nature 466: 243-247, 2010.</p> <p>3. Takematsu, H., Diaz, S., Stoddart, A., Zhang, Y., Varki, A. Lysosomal and cytosolic sialic acid 9-O-acetyltransferase activities can be encoded by one gene via differential usage of a signal peptide-encoding exon at the N terminus. J. Biol. Chem. 274: 25623-25631, 1999.</p>
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.

Handling

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.