Datasheet for ABIN7602765

anti-NAT8L antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	NAT8L
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAT8L antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NAT8L Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human NAT8L, identical to the related mouse and rat sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NAT8L Antibody Picoband® (ABIN7602765). Tested in Flow Cytometry, 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:	NAT8L
Alternative Name:	NAT8L (NAT8L Products)
Background:	Synonyms: N-acetylaspartate synthetase, NAA synthetase, Camello-like protein 3, N-acetyltransferase 8-like protein, NAT8L, CML3 Tissue Specificity: Expressed in brain. Background: N-acetyltransferase (NAT) is an enzyme that catalyzes the transfer of acetyl groups from acetyl-CoA to arylamines, arylhydroxylamines and arylhydrazines. It is mapped to 4p16.3. This gene encodes a single-pass membrane protein, which contains a conserved sequence of the GCN5 or NAT superfamily of N-acetyltransferases and is a member of the N-acyltransferase (NAT) superfamily. This protein is a neuron-specific protein and is the N-acetylaspartate (NAA) biosynthetic enzyme, catalyzing the NAA synthesis from L-aspartate and acetyl-CoA. NAA is a major storage and transport form of acetyl coenzyme A specific to the nervous system. The gene mutation results in primary NAA deficiency (hypoacetylaspartia).
Molecular Weight:	33 kDa
Gene ID:	339983
UniProt:	Q8N9F0

Application Details

Application Notes:	"Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human "1. Evans DA (1989). "N-acetyltransferase". Pharmacology & Therapeutics. 42 (2): 157-234. 2. Ma Y, Ghoshdastider U, Wang J, Ye W, Dötsch V, Filipek S, Bernhard F, Wang X (2012). "Cell-free expression of human glucosamine 6-phosphate N-acetyltransferase (HsGNA1) for inhibitor screening". Protein Expr. Purif. 86 (2): 120-6. 3. Sim, Edith, Lack, Nathan, Wang, Chan-Ju, et al. (May 2008). "Arylamine N-acetyltransferases: Structural and functional implications of polymorphisms". Toxicology. 254 (3): 170-183.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.