

Datasheet for ABIN7600699
anti-NAT10 antibody (AA 22-740)



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Overview

Quantity:	100 µg
Target:	NAT10
Binding Specificity:	AA 22-740
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAT10 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NAT10 Antibody Picoband®
Immunogen:	E.coli-derived human NAT10 recombinant protein (Position: Q22-L740).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NAT10 Antibody Picoband® (ABIN7600699). Tested in ELISA, IF, ICC, WB, Flow Cytometry 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:	NAT10
Alternative Name:	NAT10 (NAT10 Products)
Background:	Synonyms: ELAV-like protein 2, ELAV-like neuronal protein 1, Hu-antigen B, HuB, Nervous system-specific RNA-binding protein Hel-N1, ELAVL2, HUB Tissue Specificity: Brain, neural-specific. Background: N-acetyltransferase 10 is an enzyme that in humans is encoded by the NAT10 gene. The protein encoded by this gene is an RNA cytidine acetyltransferase involved in histone acetylation, tRNA acetylation, the biosynthesis of 18S rRNA, and the enhancement of nuclear architecture and chromatin organization.
Molecular Weight:	120 kDa
Gene ID:	55226
UniProt:	Q9H0A0

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Gawin, B., Niederfuhr, A., Schumacher, N., Hummerich, H., Little, P. F. R., Gessler, M. A 7.5 Mb sequence-ready PAC contig and gene expression map of human chromosome 11p13-p14.1. Genome Res. 9: 1074-1086, 1999. 2. Ito, S., Horikawa, S., Suzuki, T., Kawauchi, H., Tanaka, Y., Suzuki, T., Suzuki, T. Human NAT10 is an ATP-dependent RNA acetyltransferase responsible for N4-acetylcytidine formation in 18S ribosomal RNA (rRNA). J. Biol. Chem. 289: 35724-35730, 2014. 3. Larrieu, D., Britton, S., Demir, M., Rodriguez, R., Jackson, S. P. Chemical inhibition of NAT10 corrects defects of laminopathic cells. Science 344: 527-532, 2014.
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.