

NAT8B antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI11915

Product Information

Application WB
Primary Accession Q9UHF3

Other Accession NM 016347, NP 057431

Reactivity Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Yeast

Predicted Human, Mouse

Host Rabbit
Clonality Polyclonal
Calculated MW 25366

Additional Information

Alias Symbol CML2, Hcml2, MGC97061, NAT8BP

Other Names Putative N-acetyltransferase 8B, 2.3.1.-, Acetyltransferase 1, ATase1,

Camello-like protein 2, NAT8B (HGNC:30235)

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

Reconstitution & Storage Add 50 ul of distilled water. Final anti-NAT8B antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

Precautions NAT8B antibody - middle region is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name NAT8B (HGNC:30235)

Function Endoplasmic reticulum (ER)-membrane-bound lysine N- acetyltransferase

catalyzing the N6-acetylation of lysine residues in the lumen of the ER in various proteins, including PROM1 and BACE1, using acetyl-CoA as acetyl donor (PubMed:19011241, PubMed:22267734, PubMed:24556617,

PubMed:<u>31945187</u>). Thereby, may regulate apoptosis through the acetylation

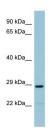
and the regulation of the expression of PROM1 (PubMed:24556617). Acetylates and stabilizes BACE1 immature protein, leading to increased steady-state levels in neurons. By acting on BACE1 expression, may regulate amyloid beta-peptide formation (PubMed:19011241, PubMed:22267734). N(6)-lysine acetylation in ER maintains protein homeostasis and regulates

reticulophagy (By similarity).

Cellular Location

Endoplasmic reticulum-Golgi intermediate compartment membrane; Single-pass type II membrane protein. Endoplasmic reticulum membrane; Single-pass type II membrane protein. Note=Enriched in the endoplasmic reticulum-Golgi intermediate compartment (ERGIC)

Images



WB Suggested Anti-NAT8B Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: THP-1 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.