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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

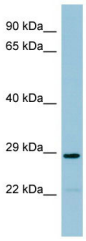
Alias Symbol	CML2, Hcml2, MGC97061, NAT8BP
Other Names	Putative N-acetyltransferase 8B, 2.3.1.-, Acetyltransferase 1, ATase1, Camello-like protein 2, NAT8B (HGNC:30235)
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 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:31945187). 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'.