10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NAT8B Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54560

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9UHF3
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25366

Additional Information

Other Names	Putative N-acetyltransferase 8B, 2.3.1.-, Acetyltransferase 1, ATase1, Camello-like protein 2, NAT8B (HGNC:30235)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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)