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AT8B2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10779a

Product Information

Application	WB, FC, E
Primary Accession	P98198
Other Accession	P98199, NP_001005855.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28619
Calculated MW	137440
Antigen Region	18-47

Additional Information

Gene ID	57198
Other Names	Phospholipid-transporting ATPase ID, ATPase class I type 8B member 2, P4-ATPase flippase complex alpha subunit ATP8B2, ATP8B2, ATPID, KIAA1137
Target/Specificity	This AT8B2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-47 amino acids from the N-terminal region of human AT8B2.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	AT8B2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ATP8B2 {ECO:0000303|PubMed:12880872}
Synonyms	ATPID, KIAA1137

Function	Catalytic component of P4-ATPase flippase complex, which catalyzes the hydrolysis of ATP coupled to the transport of phosphatidylcholine (PC) from the outer to the inner leaflet of the plasma membrane. May contribute to the maintenance of membrane lipid asymmetry.
Cellular Location	Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Efficient exit from the endoplasmic reticulum requires the presence of CDC50A or CDC50B
Tissue Location	Isoform 3 is ubiquitous, with highest expression in aorta, cerebellum and uterus.

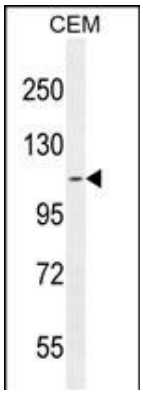
Background

The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of aminophospholipid-transporting ATPases. The aminophospholipid translocases transport phosphatidylserine and phosphatidylethanolamine from one side of a bilayer to another. Alternatively spliced transcript variants encoding different isoforms have been identified.

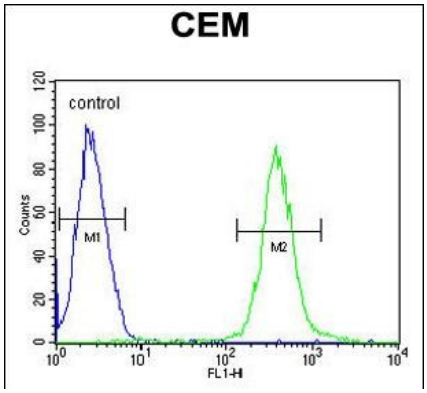
References

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Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Harris, M.J., et al. Biochim. Biophys. Acta 1633(2):127-131(2003)
Halleck, M.S., et al. Physiol. Genomics 1(3):139-150(1999)

Images



AT8B2 Antibody (N-term) (Cat. #AP10779a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the AT8B2 antibody detected the AT8B2 protein (arrow).



AT8B2 Antibody (N-term) (Cat. #AP10779a) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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