

ATP8B3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20206A

Product Information

Application WB, E **Primary Accession** 060423 Other Accession NP 620168.1 Reactivity Human Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB42178 Calculated MW 146752 56-84 **Antigen Region**

Additional Information

Gene ID 148229

Other Names Phospholipid-transporting ATPase IK, ATPase class I type 8B member 3,

ATP8B3, ATP1K, FOS37502_2

Target/SpecificityThis ATP8B3 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 56-84 amino acids from the N-terminal

region of human ATP8B3.

Dilution WB~~1:1000 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 ATP8B3 Antibody (N-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name ATP8B3 (<u>HGNC:13535</u>)

Synonyms ATP1K, FOS37502_2

Function P4-ATPase flippase which catalyzes the hydrolysis of ATP coupled to the

transport of aminophospholipids from the outer to the inner leaflet of various membranes and ensures the maintenance of asymmetric distribution of phospholipids. Phospholipid translocation also seems to be implicated in vesicle formation and in uptake of lipid signaling molecules. May be responsible for the maintenance of asymmetric distribution of phosphatidylserine (PS) in spermatozoa membranes. Involved in acrosome reactions and binding of spermatozoa to zona pellucida.

Cellular Location Cytoplasmic vesicle, secretory vesicle, acrosome membrane

{ECO:0000250|UniProtKB:Q6UQ17}; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location Isoform 3 was only detected in testis.

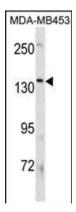
Background

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. This gene encodes the member 3 of the phospholipid-transporting ATPase 8B. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

References

Scott, L.J., et al. Proc. Natl. Acad. Sci. U.S.A. 106(18):7501-7506(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) Fries, A.S., et al. Lab. Anim. 12(1):1-4(1978)

Images



ATP8B3 Antibody (N-term) (Cat. #AP20206a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the ATP8B3 antibody detected the ATP8B3 protein (arrow).

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