

ATP8B3 Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP20206A

Specification

ATP8B3 Blocking Peptide (N-term) - Product Information

Primary Accession

[O60423](#)

Other Accession

[NP_620168.1](#)**ATP8B3 Blocking Peptide (N-term) - Additional Information****Gene ID** 148229**Other Names**

Phospholipid-transporting ATPase 1K, ATPase class I type 8B member 3, ATP8B3, ATP1K, FOS37502_2

Target/Specificity

The synthetic peptide sequence is selected from aa 71-84 of HUMAN ATP8B3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ATP8B3 Blocking Peptide (N-term) - Protein Information**Name** ATP8B3 ([HGNC:13535](#))**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 seems also 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.

ATP8B3 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ATP8B3 Blocking Peptide (N-term) - Images**ATP8B3 Blocking Peptide (N-term) - 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].

ATP8B3 Blocking Peptide (N-term) - 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)