

ATP2B3 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21234b

Specification

ATP2B3 Blocking Peptide (C-term) - Product Information

Primary Accession

[Q16720](#)**ATP2B3 Blocking Peptide (C-term) - Additional Information**

Gene ID 492

Target/Specificity

The synthetic peptide sequence is selected from aa 1161-1174 of HUMAN ATP2B3

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.

ATP2B3 Blocking Peptide (C-term) - Protein Information**Name** ATP2B3 {ECO:0000303|PubMed:8187550, ECO:0000312|HGNC:HGNC:816}**Function**

ATP-driven Ca(2+) ion pump involved in the maintenance of basal intracellular Ca(2+) levels at the presynaptic terminals (PubMed:18029012, PubMed:22912398, PubMed:25953895, PubMed:27035656). Uses ATP as an energy source to transport cytosolic Ca(2+) ions across the plasma membrane to the extracellular compartment (PubMed:25953895, PubMed:27035656). May counter-transport protons, but the mechanism and the stoichiometry of this Ca(2+)/H(+) exchange remains to be established (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Presynaptic cell membrane {ECO:0000250|UniProtKB:Q64568}; Multi-pass membrane protein. Note=Localized at parallel fiber terminals {ECO:0000250|UniProtKB:Q64568}

Tissue Location

Highly expressed in the cerebellum (PubMed:8187550). Expressed in adrenal glands (PubMed:27035656)

ATP2B3 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

ATP2B3 Blocking Peptide (C-term) - Images