

**ATP13A1 Antibody (Center) Blocking peptide**  
Synthetic peptide  
Catalog # BP5680c**Specification**

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**ATP13A1 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [O9HD20](#)  
Other Accession [NP\\_065143.2](#)

**ATP13A1 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 57130

**Other Names**

Manganese-transporting ATPase 13A1, 363-, ATP13A1, ATP13A, KIAA1825

**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.

**ATP13A1 Antibody (Center) Blocking peptide - Protein Information**

**Name** ATP13A1 {ECO:0000303|PubMed:32973005, ECO:0000312|HGNC:HGNC:24215}

**Function**

Endoplasmic reticulum translocase required to remove mitochondrial transmembrane proteins mistargeted to the endoplasmic reticulum (PubMed:<a href="http://www.uniprot.org/citations/32973005" target="\_blank">32973005</a>, PubMed:<a href="http://www.uniprot.org/citations/36264797" target="\_blank">36264797</a>). Acts as a dislocase that mediates the ATP-dependent extraction of mislocalized mitochondrial transmembrane proteins from the endoplasmic reticulum membrane (PubMed:<a href="http://www.uniprot.org/citations/32973005" target="\_blank">32973005</a>). Specifically binds mitochondrial tail-anchored transmembrane proteins: has an atypically large substrate-binding pocket that recognizes and binds moderately hydrophobic transmembranes with short hydrophilic luminal domains (PubMed:<a href="http://www.uniprot.org/citations/32973005" target="\_blank">32973005</a>).

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein

**ATP13A1 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**ATP13A1 Antibody (Center) Blocking peptide - Images****ATP13A1 Antibody (Center) Blocking peptide - Background**

ATP13A1 belongs to the cation transport ATPase (P type) family. Type V subfamily. There are three named isoforms produced by alternative splicing.

**ATP13A1 Antibody (Center) Blocking peptide - References**

Olsen, J.V., et al. Cell 127(3):635-648(2006)Liu, T., et al. J. Proteome Res. 4(6):2070-2080(2005)