

MPV17 Antibody (N-term) Blocking Peptide**Synthetic peptide****Catalog # BP8749a****Specification****MPV17 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession

[P39210](#)**MPV17 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4358**Other Names**

Protein Mpv17, MPV17

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8749a](#) was selected from the N-term region of human MPV17. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MPV17 Antibody (N-term) Blocking Peptide - Protein Information**Name** MPV17 ([HGNC:7224](#))**Function**

Non-selective channel that modulates the membrane potential under normal conditions and oxidative stress, and is involved in mitochondrial homeostasis (PubMed:[25861990](http://www.uniprot.org/citations/25861990)). Involved in mitochondrial deoxynucleoside triphosphates (dNTP) pool homeostasis and mitochondrial DNA (mtDNA) maintenance (PubMed:[26760297](http://www.uniprot.org/citations/26760297)). May be involved in the regulation of reactive oxygen species metabolism and the control of oxidative phosphorylation (By similarity).

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location

Ubiquitous. Expressed in pancreas, kidney, muscle, liver, lung, placenta, brain and heart.

MPV17 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MPV17 Antibody (N-term) Blocking Peptide - Images

MPV17 Antibody (N-term) Blocking Peptide - Background

MPV17 is a mitochondrial inner membrane protein that is implicated in the metabolism of reactive oxygen species.

MPV17 Antibody (N-term) Blocking Peptide - References

Iida,R., et.al., J. Biol. Chem. 278 (8), 6301-6306 (2003)Karasawa,M., et.al., Hum. Mol. Genet. 2 (11), 1829-1834 (1993)