

MVK Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6839c**Specification**

MVK Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q03426](#)**MVK Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4598**Other Names**

Mevalonate kinase, MK, MVK

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6839c](/products/AP6839c) was selected from the Center region of human MVK. 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.

MVK Antibody (Center) Blocking Peptide - Protein Information**Name** MVK ([HGNC:7530](#))**Function**

Catalyzes the phosphorylation of mevalonate to mevalonate 5- phosphate, a key step in isoprenoid and cholesterol biosynthesis (PubMed: [9325256](http://www.uniprot.org/citations/9325256), PubMed: [18302342](http://www.uniprot.org/citations/18302342), PubMed: [9392419](http://www.uniprot.org/citations/9392419), PubMed: [11278915](http://www.uniprot.org/citations/11278915)).

Cellular Location

Cytoplasm. Peroxisome {ECO:0000250|UniProtKB:P17256}

MVK Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MVK Antibody (Center) Blocking Peptide - Images

MVK Antibody (Center) Blocking Peptide - Background

MVK is the peroxisomal enzyme mevalonate kinase. Mevalonate is a key intermediate, and mevalonate kinase a key early enzyme, in isoprenoid and sterol synthesis. Mevalonate kinase deficiency caused by mutation of this gene results in mevalonic aciduria, a disease characterized psychomotor retardation, failure to thrive, hepatosplenomegaly, anemia and recurrent febrile crises.

MVK Antibody (Center) Blocking Peptide - References

Junyent,M., et.al., Am. J. Clin. Nutr. 90 (3), 686-694 (2009)Graef,E., et.al., Oncogene 9 (1), 81-87 (1994)