

MVK Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6839c**Specification****MVK Antibody (Center) Blocking Peptide -
Product Information**Primary 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

**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)

mevalonate to mevalonate 5- phosphate, a key step in isoprenoid and cholesterol biosynthesis (PubMed:9325256, PubMed:18302342, PubMed:9392419, PubMed: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](#)