

MVP Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP8169a**Specification**

MVP Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q03426](#)
Other Accession [NP_000422](#)

MVP Antibody (N-term) Blocking peptide - Additional Information

Gene ID 4598

Other Names

Mevalonate kinase, MK, MVK

Target/Specificity

The synthetic peptide sequence used to generate the antibody <a>AP8169a was selected from the N-term 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.

MVP Antibody (N-term) 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, PubMed:18302342, PubMed:9392419, PubMed:11278915).

Cellular Location

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

MVP Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MVP Antibody (N-term) Blocking peptide - Images

MVP Antibody (N-term) Blocking peptide - Background

MVK encodes 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 MVK results in mevalonic aciduria.

MVP Antibody (N-term) Blocking peptide - References

Stojanov, S., et al., Arthritis Rheum. 50(6):1951-1958 (2004). Nair, A.K., et al., J. Biol. Chem. 279(15):14937-14944 (2004). Simon, A., et al., Neurology 62(6):994-997 (2004). Houten, S.M., et al., J. Biol. Chem. 278(8):5736-5743 (2003). Houten, S.M., et al., Eur. J. Hum. Genet. 11(2):196-200 (2003).