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MVP Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP8169b

Specification

MVP Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	Q03426
Other Accession	NP_000422

MVP Antibody (C-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 AP8169b was selected from the C-term region of human MVP. 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 (C-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}

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MVP Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MVP Antibody (C-term) Blocking Peptide - Images

MVP Antibody (C-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 (C-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).