

MVP Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8169a

Specification

MVP Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q03426
Other Accession	NP_000422
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	17-47

MVP Antibody (N-term) - Additional Information

Gene ID 4598

Other Names

Mevalonate kinase, MK, MVK

Target/Specificity

This MVK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-47 amino acids from the N-terminal region of human MVK.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MVP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MVP Antibody (N-term) - 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](#)).

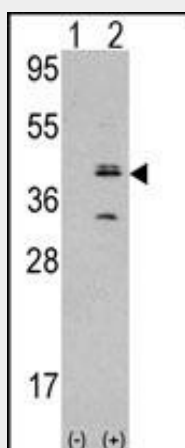
Cellular Location

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

MVP Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MVP Antibody (N-term) - Images

Western blot analysis of MVPK (arrow) using rabbit polyclonal MVPK Antibody (N-term) (Cat. #AP8169a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MVPK gene (Lane 2).

MVP Antibody (N-term) - 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) - 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).