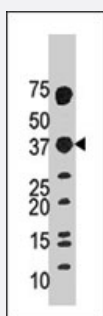


# MVK polyclonal antibody

Catalog # PAB4055

Size 400 uL

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of MVK polyclonal antibody (Cat # PAB4055) in mouse kidney tissue lysate (35 ug/lane). MVK (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).

## Specification

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of MVK.                                                    |
| <b>Immunogen</b>           | A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human MVK.                                    |
| <b>Host</b>                | Rabbit                                                                                                                 |
| <b>Reactivity</b>          | Human                                                                                                                  |
| <b>Form</b>                | Liquid                                                                                                                 |
| <b>Purification</b>        | Protein G purification                                                                                                 |
| <b>Recommend Usage</b>     | ELISA (1:1000)<br>Western Blot (1:100-500)<br>The optimal working dilution should be determined by the end user.       |
| <b>Storage Buffer</b>      | In PBS (0.09% sodium azide)                                                                                            |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                 |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of MVK polyclonal antibody (Cat # PAB4055) in mouse kidney tissue lysate (35 ug/lane). MVK (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — MVK

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">4598</a> |
|---------------|----------------------|

|                    |                           |
|--------------------|---------------------------|
| Protein Accession# | <a href="#">NP_000422</a> |
|--------------------|---------------------------|

|           |     |
|-----------|-----|
| Gene Name | MVK |
|-----------|-----|

|            |                          |
|------------|--------------------------|
| Gene Alias | FLJ96772, LRBP, MK, MVLK |
|------------|--------------------------|

|                  |                   |
|------------------|-------------------|
| Gene Description | mevalonate kinase |
|------------------|-------------------|

|         |                                               |
|---------|-----------------------------------------------|
| Omim ID | <a href="#">251170</a> <a href="#">260920</a> |
|---------|-----------------------------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Summary | This gene 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 this gene results in mevalonic aciduria, a disease characterized by psychomotor retardation, failure to thrive, hepatosplenomegaly, anemia and recurrent febrile crises. Defects in this gene also cause hyperimmunoglobulinemia D and periodic fever syndrome, a disorder characterized by recurrent episodes of fever associated with lymphadenopathy, arthralgia, gastrointestinal distress and skin rash. Two transcript variants that encode the same protein have been found for this gene. [provided by RefSeq] |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| Other Designations | LH receptor mRNA-binding protein mevalonic aciduria |
|--------------------|-----------------------------------------------------|

## Publication Reference

- [Molecular analysis of the MVK and TNFRSF1A genes in patients with a clinical presentation typical of the hyperimmunoglobulinemia D with periodic fever syndrome: a low-penetrance TNFRSF1A variant in a heterozygous MVK carrier possibly influences the phenotype of hyperimmunoglobulinemia D with periodic fever syndrome or vice versa.](#)

Stojanov S, Lohse P, Lohse P, Hoffmann F, Renner ED, Zellerer S, Kery A, Shin YS, Haas D, Hoffmann GF, Belohradsky BH.

Arthritis and Rheumatism 2004 Jun; 50(6):1951.

- [Mevalonate kinase deficiency: Evidence for a phenotypic continuum.](#)

Simon A, Kremer HP, Wevers RA, Scheffer H, De Jong JG, Van Der Meer JW, Drenth JP.

Neurology 2004 Mar; 62(6):994.

- [Isolation and characterization of a novel trans-factor for luteinizing hormone receptor mRNA from ovary.](#)

Nair AK, Menon KM.

The Journal of Biological Chemistry 2004 Apr; 279(15):14937.

Application: WB-Re, Recombinant protein

## Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Metabolic pathways](#)
- [Terpenoid backbone biosynthesis](#)

## Disease

- [Amyloidosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)

- [Diarrhea](#)
- [Dyslipidemias](#)
- [Familial Mediterranean fever](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Hypertriglyceridemia](#)
- [Inflammation](#)
- [Irritable Bowel Syndrome](#)
- [Narcolepsy](#)
- [Pain](#)
- [Stomatitis](#)
- [Syndrome](#)