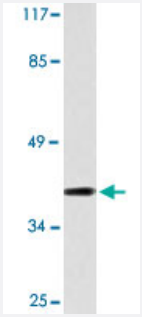
MVK polyclonal antibody

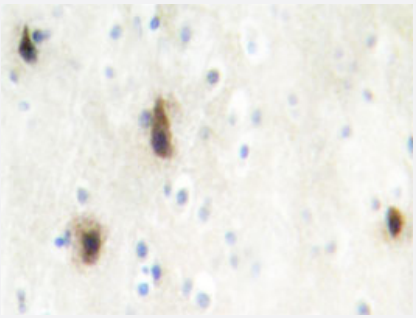
Catalog # PAB24918 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of COS-7 cell lysate with MVK polyclonal antibody (Cat # PAB24918).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using MVK polyclonal antibody (Cat # PAB24918).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MVK.
Immunogen	A synthetic peptide corresponding to MVK.
Host	Rabbit
Theoretical MW (kDa)	42
Reactivity	Human
Specificity	MVK polyclonal antibody detects endogenous levels of MVK protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of COS-7 cell lysate with MVK polyclonal antibody (Cat # PAB24918).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human brain tissue using MVK polyclonal antibody (Cat # PAB24918).

- Immunofluorescence

Gene Info — MVK

Entrez GeneID	4598
Gene Name	MVK
Gene Alias	FLJ96772, LRBP, MK, MVLK
Gene Description	mevalonate kinase
Omim ID	251170 260920
Gene Ontology	Hyperlink

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 psychomotor retardation, failure to thrive, hepatosplenomegaly, anemia and recurrent febrile crises. Defects in this gene also cause hyperimmunoglobulinaemia D and periodic fever syndrome, a disorder characterized by recurrent episodes of fever associated with lymphadenopathy, arthralgia, gastrointestinal dismay 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

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