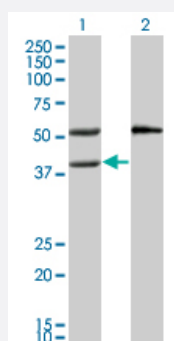


MVK monoclonal antibody (M02), clone 2C5

Catalog # H00004598-M02

Size 100 ug

Applications

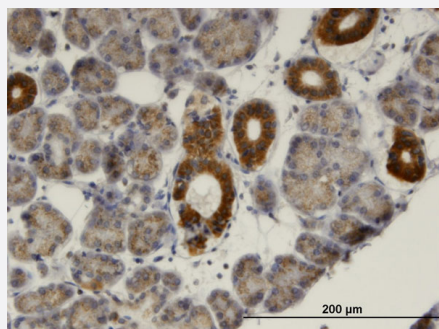


Western Blot (Transfected lysate)

Western Blot analysis of MVK expression in transfected 293T cell line by MVK monoclonal antibody (M02), clone 2C5.

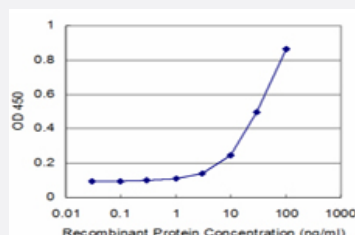
Lane 1: MVK transfected lysate (42.451 KDa).

Lane 2: Non-transfected lysate.



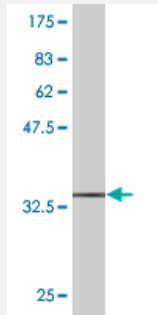
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MVK on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MVK is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MVK.
Immunogen	MVK (AAH16140, 297 a.a. ~ 396 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LIDMNQHHLNALGVGHASLDQLCQVTRARGLHSKLTGAGGGGCGITLLKPGLEQPEVEATKQALT SCGFDCLETSIGAPGVSIHSATSLDSRVQQALDGL
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of MVK expression in transfected 293T cell line by MVK monoclonal antibody (M02), clone 2C5.

Lane 1: MVK transfected lysate(42.451 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to MVK on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MVK is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MVK

Entrez GeneID [4598](#)

GeneBank Accession# [BC016140](#)

Protein Accession# [AAH16140](#)

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 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

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](#)