

Product datasheet for **CF502934**

MVK Mouse Monoclonal Antibody [Clone ID: OTI 1D7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI 1D7
Applications:	IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MVK (NP_000422) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42.3 kDa
Gene Name:	mevalonate kinase
Database Link:	NP_000422 Entrez Gene 4598 Human Q03426



[View online »](#)

Background:

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 dismy and skin rash. Two transcript variants that encode the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Synonyms:

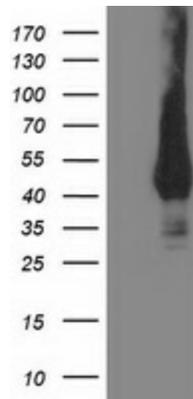
LRBP; MK; MVLK; POROK3

Protein Families:

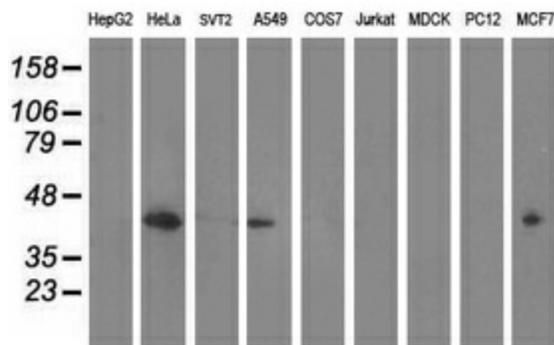
Druggable Genome

Protein Pathways:

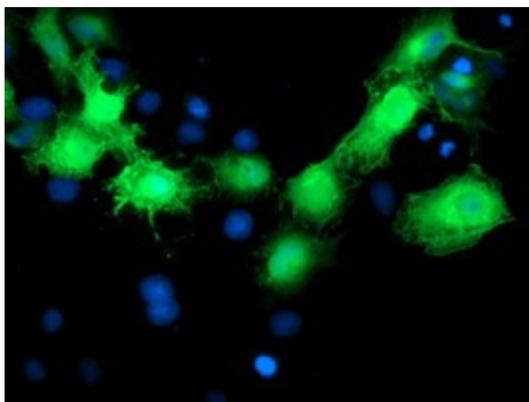
Metabolic pathways, Terpenoid backbone biosynthesis

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MVK (Cat# [RC201971], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MVK(Cat# [TA502934]). Positive lysates [LY424723] (100ug) and [LC424723] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-MVK monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Anti-MVK mouse monoclonal antibody ([TA502934]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MVK ([RC201971]).