

## Product datasheet for **TA502934**

### 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:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                      |
| Concentration:          | 1 mg/ml   |
| 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:          | <a href="#">NP_000422</a><br><a href="#">Entrez Gene 4598 Human</a><br><a href="#">Q03426</a>             |



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

**Synonyms:**

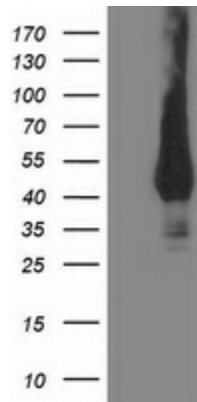
LRBP; MK; MVLK; POROK3

**Protein Families:**

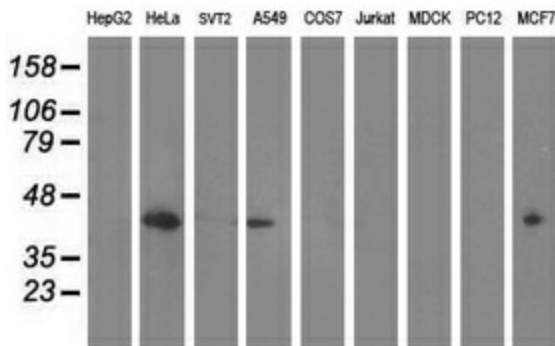
Druggable Genome

**Protein Pathways:**

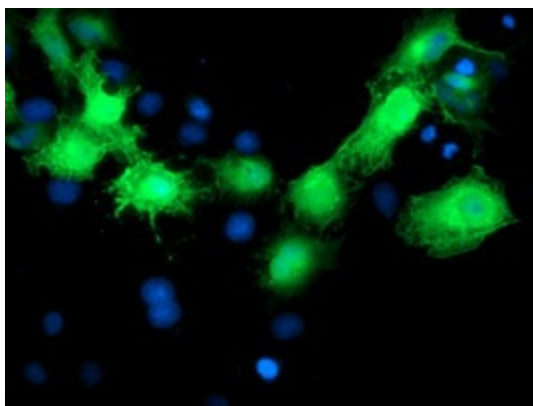
Metabolic pathways, Terpenoid backbone biosynthesis

**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]).