

## Product datasheet for **CF503448**

### PMVK Mouse Monoclonal Antibody [Clone ID: OTI2D1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D1
Applications:	WB
Recommended Dilution:	WB 1:500~2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PMVK(NP_006547) 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:	21.8 kDa
Gene Name:	phosphomevalonate kinase
Database Link:	<a href="#">NP_006547</a> <a href="#">Entrez Gene 68603 Mouse</a> <a href="#">Entrez Gene 10654 Human</a> <a href="#">Q15126</a>
Background:	PMVK (EC 2.7.4.2) is a peroxisomal enzyme that catalyzes the conversion of mevalonate 5-phosphate into mevalonate 5-diphosphate as the fifth reaction of the cholesterol biosynthetic pathway. [supplied by OMIM]



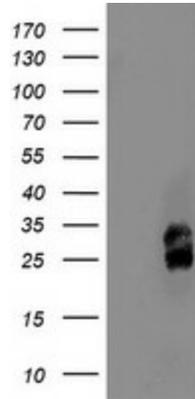
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**Synonyms:** HUMPMKI; PMK; PMKA; PMKASE; POROK1

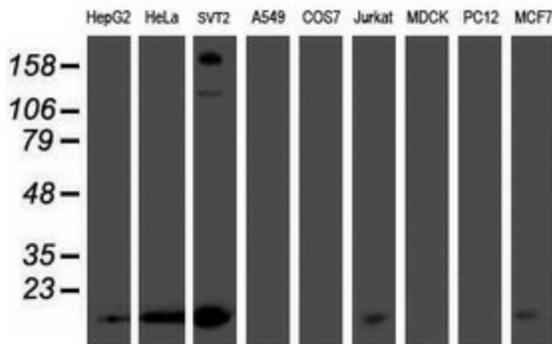
**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Terpenoid backbone biosynthesis

**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PMVK ([RC202867], 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-PMVK. Positive lysates [LY416571] (100ug) and [LC416571] (20ug) can be purchased separately from OriGene.



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