

Product Name: KD-Validated PMVK Mouse Monoclonal Antibody**Catalog #: KVA00286**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 22.0kDa

Antigen Information

Gene Name	PMVK
Alternative Names	PMVK; Phosphomevalonate Kinase; HUMPMKI; PMKA; PMK; Testis Tissue Sperm-Binding Protein Li 95mP; EC 2.7.4.2; PMKASE; POROK1; PMKase; PMKI; HPMK
Gene ID	10654.0
SwissProt ID	Q15126
Immunogen	Recombinant protein of human PMVK

Background

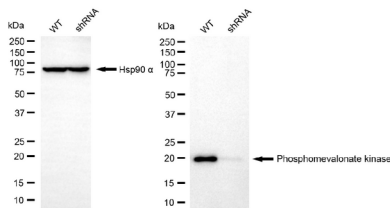
This gene encodes a peroxisomal enzyme that is a member of the galactokinase, homoserine kinase, mevalonate kinase, and phosphomevalonate kinase (GHMP) family of ATP-dependent enzymes. The encoded protein catalyzes the conversion of mevalonate 5-phosphate to mevalonate 5-diphosphate, which is the fifth step in the mevalonate pathway of isoprenoid

biosynthesis. Mutations in this gene are linked to certain types of porokeratosis including disseminated superficial porokeratosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]

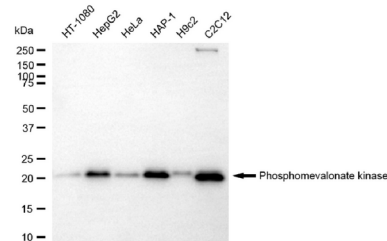
Research Area

Signal Transduction,Cancer,Metabolism

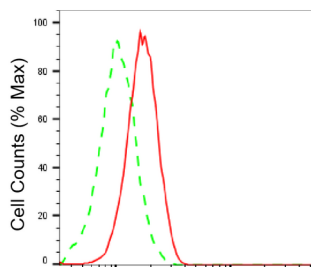
Image Data



Western blotting analysis using phosphomevalonate kinase antibody (KVA00286). Phosphomevalonate kinase expression in wild-type (WT) and phosphomevalonate kinase (PMVK) shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with phosphomevalonate kinase antibody (KVA00286, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using phosphomevalonate kinase antibody (KVA00286). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with phosphomevalonate kinase antibody (KVA00286, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of Phosphomevalonate kinase expression in C2C12 cells using Phosphomevalonate kinase antibody (KVA00286, 1:2,000). Green, isotype control; red, Phosphomevalonate kinase.