

Rabbit anti-Human, Mouse PMVK Polyclonal Antibody | anti-PMVK antibody

Anti-PMVK Antibody Picoband

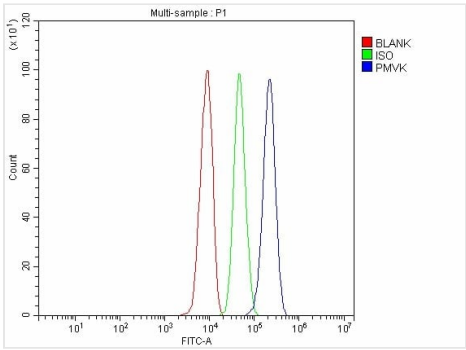
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127629	Rabbit	Human, Mouse	ELISA, Western Blot

PRODUCT SYNONYMS

PMVK; Polyclonal Antibody; Anti-PMVK Antibody Picoband; anti-PMVK antibody

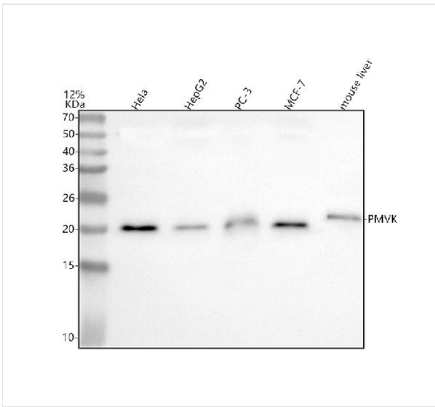
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PMVK antibody	ELISA, WB (Western Blot)
Immunogen	E coli-derived human PMVK recombinant protein (Position: K22-L192). Human PMVK shares 82.5% amino acid (aa) sequence identity with mouse PMVK.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HepG2 cells using anti-PMVK antibody (AAA127629). Overlay histogram showing HepG2 cells stained with AAA127629 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PMVK Antibody (AAA127629, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of PMVK using anti-PMVK antibody (AAA127629). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human PC-3 whole cell lysates, Lane 4: human MCF-7 whole cell lysates, Lane 5: mouse liver tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PMVK antigen affinity purified polyclonal antibody (#AAA127629) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PMVK at approximately 22 kDa. The expected band size for PMVK is at 22 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PMVK antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-PMVK antibody	Primary Antibodies
References	1. Chambliss, K. L., Slaughter, C. A., Schreiner, R., Hoffmann, G. F., Gibson, K. M. Molecular cloning of human phosphomevalonate kinase and identification of a consensus peroxisomal targeting sequence. J. Biol. Chem. 271: 17330-17334, 1996. 2. Olivier, L. M., Chambliss, K. L., Gibson, K. M., Krisans, S. K. Characterization of phosphomevalonate kinase: chromosomal localization, regulation, and subcellular targeting. J. Lipid Res. 40: 672-679, 1999.3. Zhang, Z., Li, C., Wu, F., Ma, R., Luan, J., Yang, F., Liu, W., Wang, L., Zhang, S., Liu, Y., Gu, J., Hua, W., and 13 others. Genomic variations of the mevalonate pathway in porokeratosis. eLife 4: e06322, 2015. Note: Electronic Article. Erratum: eLife 5: e14383, 2016.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729980
NCBI GeneID	10654
NCBI Accession #	NP_006547.1
NCBI GenBank Nucleotide #	NM_006556.3
UniProt Accession #	Q15126; Q5TZW9
Molecular Weight	21,995 Da
NCBI Official Full Name	phosphomevalonate kinase
NCBI Official Synonym Full Names	phosphomevalonate kinase

NCBI Official Symbol	PMVK
NCBI Official Synonym Symbols	PMK; PMKA; PMKASE; POROK1; HUMPMKI
NCBI Protein Information	phosphomevalonate kinase
UniProt Protein Name	Phosphomevalonate kinase
UniProt Gene Name	PMVK
UniProt Synonym Gene Names	PMKI; PMKase; hPMK
UniProt Entry Name	PMVK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pmvk-antibody-western-blot-elisa/127629>