

Mouse anti-Human PMVK Monoclonal Antibody | anti-PMVK antibody

PMVK antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48175	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PMVK; Monoclonal Antibody; PMVK antibody; Phosphomevalonate kinase; HuMPMKI; PMK; PMKA; PMKASE; anti-PMVK antibody

PRODUCT SPECIFICATIONS

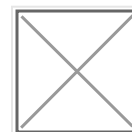
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT21C10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	192
Applicable Applications for anti-PMVK antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PMVK (1-192aa) purified from E. coli
Clone Note	Anti-human PMVK mAb, clone AT21C10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PMVK protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PMVK in PC3 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PMVK antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PMVK antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : HeLa cell lysate Lane 2. : HepG2 cell lysate Lane 3. : Jukat cell lysate Lane 4. : MCF7 cell lysate Lane 5. : A549 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PMVK antibody	Phosphomevalonate kinase, also known as PMVK, is a cytosolic enzyme. It was expressed highly in heart, liver, skeletal muscle, kidney and pancreas and slightly lower in brain, placenta, and lung. Induced by sterol, PMVK participates in isopentenyl diphosphate biosynthesis via the mevalonate pathway. PMVK catalyzes the conversion of mevalonate 5-phosphate into mevalonate 5-diphosphate in the fifth reaction of the cholesterol biosynthetic pathway.
Product Categories/Family for anti-PMVK antibody	Signal Transduction ; Metabolism ; Cancer
References	Cho YK., et al. (2001) J Biol chem. 278: 4510-4515.; Hogenboom S., et al. (2004) J Lipid Res. 45: 697-705.

NCBI AND UNIPROT INFORMATION

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

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/monoclonal/pmvk-antibody-clone-at21c10-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48175>