

Product datasheet for **AM50615PU-S**

PMVK Mouse Monoclonal Antibody [Clone ID: AT21C10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT21C10
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	The antibody has been tested by ELISA, Western blot analysis, ICC/IF and Flow cytometry to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Recombinant human PMVK (1-192aa) purified from E. coli.
Formulation:	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	phosphomevalonate kinase
Database Link:	Entrez Gene 10654 Human Q15126
Background:	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.
Synonyms:	Phosphomevalonate kinase, PMKase, PMKI, HUMPMKI

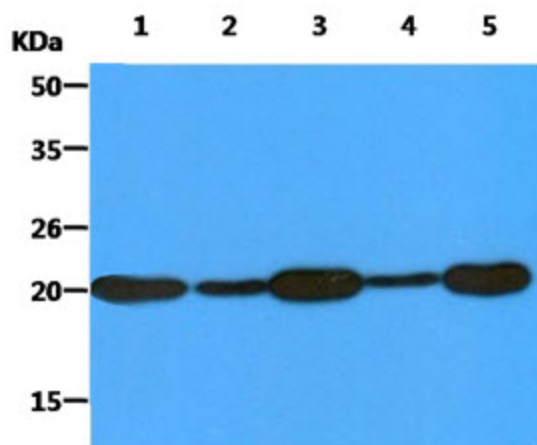


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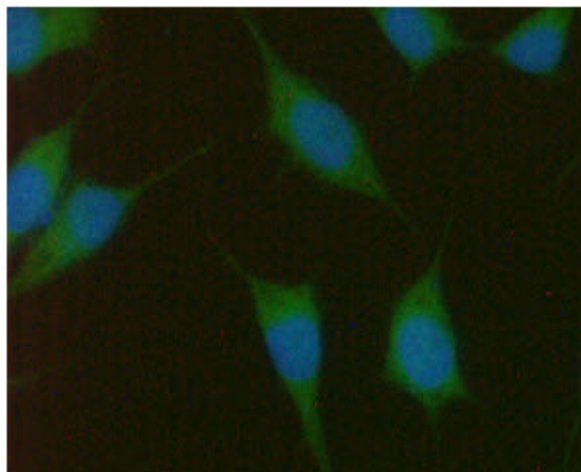
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Terpenoid backbone biosynthesis

Product images:



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



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).