

Datasheet for ABIN1108679  
**anti-PMVK antibody (Middle Region)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	0.1 mg
Target:	PMVK
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PMVK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

## Product Details

Immunogen:	Synthetic peptide corresponding to a sequence mapping at the middle region of Human PMVK .Remarks: Sequence is different from the related Mouse and Rat sequence by single amino acid.
Isotype:	IgG
Specificity:	This antibody detects PMVK (mid region). No cross reactivity with other proteins.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Immunoaffinity Chromatography

## Target Details

Target:	PMVK
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## Target Details

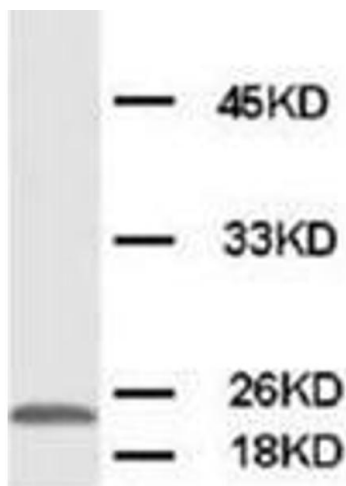
Alternative Name:	PMVK ( <a href="#">PMVK Products</a> )
Background:	PMVK (phosphomevalonate kinase) is a cytosolic enzyme that catalyzes the conversion of mevalonate-5-phosphate to mevalonate-5-diphosphate. It is mapped to chromosome 1p13-1q22-23 and spans more than 8.4 kb in the human genome. PMVK is a peroxisomal protein which requires the C-terminal peroxisomal targeting signal, Ser-Arg-Leu, for localization to the organelle. It was expressed highly in heart, liver, skeletal muscle, kidney and pancreas and slightly lower in brain, placenta, and lung. And PMKase gene expression is subject to regulation by sterol at the level of transcription. It is a single copy gene covering less than 15 kb in the human genome. The human PMKase amino acid sequence contains a consensus peroxisomal targeting sequence (PTS-1), Ser-Arg-Leu, at the C terminus of the protein.Synonyms: HUMPMKI, PMKI, PMKase, Phosphomevalonate kinase
Gene ID:	10654
NCBI Accession:	<a href="#">NP_006547</a>
UniProt:	<a href="#">Q15126</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

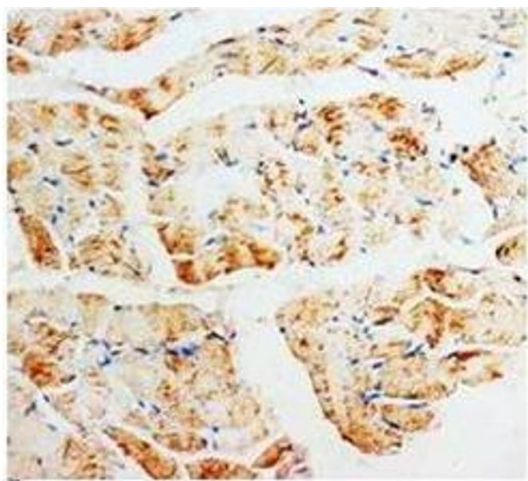
## Handling

Reconstitution:	0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.9 mg NaCl, 0.05 mg Thimerosal, 0.05 mg Sodium Azide, 5 mg BSA
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



#### Western Blotting

**Image 1.** Western blot analysis of cardiac muscle tissue lysis using PMKV antibody



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemical analysis of paraffin embedded rat skeletal muscle sections, staining PMVK in cytoplasm, DAB chromeric reaction