

Datasheet for ABIN3044328
anti-PMVK antibody (Middle Region)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	PMVK
Binding Specificity:	AA 135-151, Middle Region
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Phosphomevalonate kinase(PMVK) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human PMVK(135-151aa EQSRQQRGWVFTPGVDD), identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
Sequence:	EQSRQQRGWV FTPGVDD
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: human, mouse</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>
Characteristics:	Rabbit IgG polyclonal antibody for Phosphomevalonate kinase(PMVK) detection. Tested with

Product Details

WB, IHC-P in Human, Mouse, Rat.

Gene Name: phosphomevalonate kinase

Protein Name: Phosphomevalonate kinase(PMKase/hPMK)

Purification: Immunogen affinity purified.

Target Details

Target: PMVK

Alternative Name: PMVK ([PMVK Products](#))

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: hPMK antibody|HUMPMKI antibody|OTTHUMP00000035546 antibody|Phosphomevalonate kinase antibody|PMK antibody|PMK PEN antibody|PMKA antibody|PMKase antibody|PMKI antibody|PMKPEN antibody|PMVK antibody|PMVK_HUMAN antibody

UniProt: [Q15126](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Human, Mouse
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Rat, Predicted Species: Human, Mouse,
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

Application Details

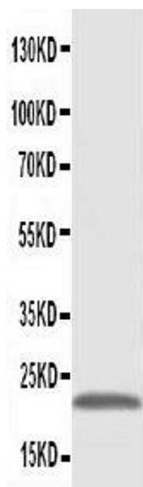
ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

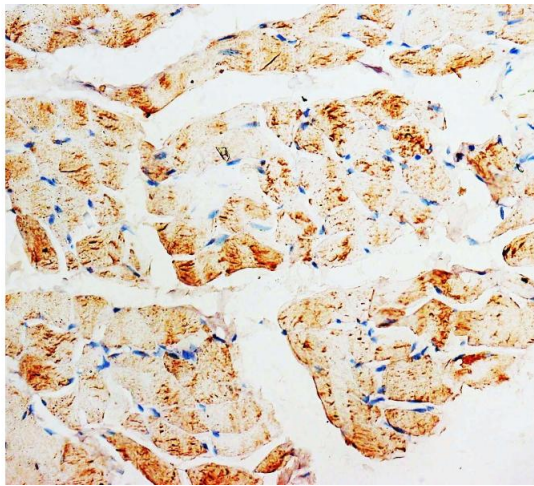
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Anti-PMVK antibody, Western blotting WB: Rat Cardiac Muscle Tissue Lysate



Immunohistochemistry

Image 2. Anti-PMVK antibody, IHC(P) IHC(P): Rat Skeletal Muscle Tissue