



Rabbit Anti-PMVK antibody

SL5371R

Product Name:	PMVK
Chinese Name:	磷酸甲羟戊酸激酶抗体
Alias:	hPMK; HUMPMKI; Phosphomevalonate kinase; PMK; PMK PEN; PMKA; PMKase; PMKI; PMKPEN; PMVK; PMVK_HUMAN; EC 2.7.4.2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human PMVK:15-120/192
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	PMVK is a 192 amino acid peroxisomal enzyme belonging to the nucleoside monophosphate (NMP) kinase family and is expressed in heart, liver, skeletal muscle, kidney, and pancreas with lower expression 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. PMVK exists

as a monomer and is encoded by a gene located on human chromosome 1, which houses over 3,000 genes and is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome.

Subunit:

Monomer (By similarity).

Subcellular Location:

Peroxisome.

Tissue Specificity:

Heart, liver, skeletal muscle, kidney, and pancreas. Lower level in brain, placenta and lung.

SWISS:

Q15126

Gene ID:

10654

Database links:

[Entrez Gene: 10654](#)Human

[Entrez Gene: 68603](#)Mouse

[Entrez Gene: 310645](#)Rat

[Omim: 607622](#)Human

[SwissProt: Q15126](#)Human

[SwissProt: Q9D1G2](#)Mouse

[SwissProt: Q5RK24](#)Rat

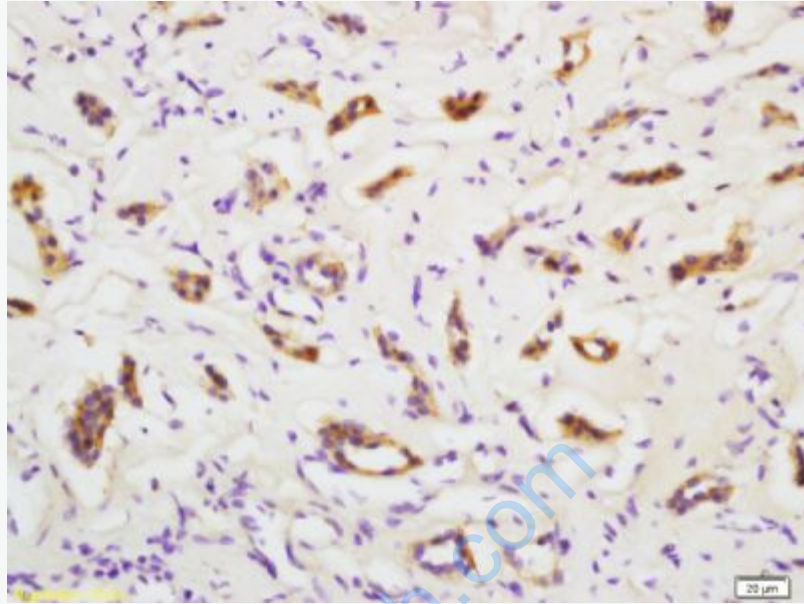
[Unigene: 30954](#)Human

[Unigene: 34242](#)Mouse

[Unigene: 22202](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-PMVK Polyclonal Antibody, Unconjugated(SL5371R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining