

## Anti-PMVK Antibody (7Y287)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7Y287
Purification:	Protein A

### Applications

Verified Activity:	<p>1. Anti-PMVK rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none"><li>-Lane A: HepG2 Whole Cell lysate.</li><li>-Lysates/proteins at 30 µg per lane.</li><li>-Secondary</li><li>-Goat Anti-Rabbit IgG H&amp;L (Dylight800) at 1/10000 dilution.</li><li>-Developed using the Odyssey technique.</li><li>-Performed under reducing conditions.</li><li>-Predicted band size:21 kDa.</li><li>-Observed band size:24 kDa(We are unsure as to the identity of these extra bands.)</li></ul> <p>2. PMVK was immunoprecipitated using:</p> <ul style="list-style-type: none"><li>-Lane A:0.5 mg Hela Whole Cell Lysate.</li><li>-Lane B:0.5 mg NIH-3T3 Whole Cell Lysate</li><li>-0.5 µL anti-PMVK rabbit monoclonal antibody and 15 µl of 50 % Protein G agarose.</li><li>-Primary antibody:</li><li>-Anti-PMVK rabbit monoclonal antibody, at 1:500 dilution.</li><li>-Secondary antibody:</li><li>-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.</li><li>-Developed using the odyssey technique.</li><li>-Performed under reducing conditions.</li><li>-Predicted band size: 21 kDa.</li><li>-Observed band size: 21 kDa</li></ul>
Application:	ELISA,IP,WB
Recommended	WB: 1:500-1:1000; ELISA: 1:25000-1:50000; IP: 0.2-1 µL/mg of lysate

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: Human PMVK / phosphomevalonate kinase Protein (TMPY-04767)

Antigen Species: Human

Synonyms: HUMPMKI;PMK;PMKA;PMKASE;phosphomevalonate kinase

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### Research Background

PMVK is a peroxisomal enzyme that catalyzes the conversion of mevalonate 5-phosphate into mevalonate 5-diphosphate, the fifth reaction of the cholesterol biosynthetic pathway. Studies in rat show that the message level and the enzyme activity of PMVK is regulated by sterol, and that this regulation is coordinated with 3-hydroxy-3-methylglutaryl coenzyme A reductase, the rate-limiting enzyme of cholesterol biosynthesis.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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