

## Datasheet: VPA00473

<b>Description:</b>	RABBIT ANTI PYRUVATE KINASE PKM
<b>Specificity:</b>	PYRUVATE KINASE PKM
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	2% Sucrose
<b>Immunogen</b>	Synthetic peptide directed towards the N terminal region of human pyruvate kinase PKM
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P14618</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5315</a>   PKM2   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	OIP3, PK2, PK3, PKM

**Specificity** **Rabbit anti Human pyruvate kinase PKM antibody** recognizes pyruvate kinase PKM, also known as PKM2, OPA-interacting protein 3, epididymis secretory protein Li 30, p58, pyruvate kinase 2/3 or thyroid hormone-binding protein 1.

The PKM gene encodes a glycolytic pyruvate kinase that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial pathogenesis. Several alternatively spliced transcript variants encoding a few distinct isoforms have been reported (provided by RefSeq, May 2011).

Rabbit anti Human pyruvate kinase PKM antibody detects a band of 60 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Anti pyruvate kinase PKM detects a band of approximately 60 kDa in HEK293 cell lysates

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**Instructions For Use** Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles

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**Shelf Life** As supplied, 12 months from date of despatch

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**Acknowledgements** PrecisionAb™ is a trademark of Bio-Rad Laboratories

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**Health And Safety Information** Material Safety Datasheet documentation #10045 available at:  
Antibody (10045): <https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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