## 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).

<table>
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<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Western Blotting</td>
<td>-</td>
<td>1/1000</td>
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The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](http://www.bio-rad-antibodies.com/protocols) to learn how we validate our PrecisionAb range. 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 dependent on sample type.

### Target Species

Human

### Product Form

Purified IgG - liquid

### Preparation

Mouse monoclonal antibody purified by affinity chromatography from ascites

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

- 0.09% Sodium Azide (NaN₃)
- 1% Bovine Serum Albumin
- 50% Glycerol

### Immunogen

Full length recombinant human pyruvate kinase PKLR (NP_000289) produced in HEK293T cells

### External Database Links

**UniProt:**

- P30613 Related reagents

**Entrez Gene:**

- 5313 PKLR Related reagents

### Synonyms

PK1, PKL
**Specificity**

Mouse anti Human pyruvate kinase PKLR antibody recognizes the pyruvate kinase PKLR, also known as R-type/L-type pyruvate kinase, pyruvate kinase 1, pyruvate kinase PKLR, pyruvate kinase isozyme R/L, pyruvate kinase isozymes L/R, pyruvate kinase isozymes R/L, pyruvate kinase type L, pyruvate kinase, liver and blood cell and red cell/liver pyruvate kinase.

Encoded by PKLR gene, pyruvate kinase PKLR catalyzes the transphosphorylation of phosphoenolpyruvate into pyruvate and ATP, which is the rate-limiting step of glycolysis. Defects in this enzyme, due to gene mutations or genetic variations, are the common cause of chronic hereditary nonspherocytic hemolytic anemia (CNSHA or HNSHA). Multiple transcript variants encoding different isoforms have been found for PKLR (provided by RefSeq, Jul 2008).

Mouse anti Human pyruvate kinase PKLR antibody detects a band of 62 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Anti pyruvate kinase PKLR detects a band of approximately 62 kDa in K562 cell lysates

**Storage**

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

**Guarantee**

As supplied, 12 months from date of despatch.

**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

Goat Anti Mouse IgG (H/L) (STAR207...) HRP

**Recommended Negative Controls**

MOUSE IgG2a NEGATIVE CONTROL (MCA929)