

Datasheet: VMA00264

Description:	MOUSE ANTI PYRUVATE KINASE PKLR
Specificity:	PYRUVATE KINASE PKLR
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT11F3
Isotype:	IgG2a
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human pyruvate kinase PKLR (NP_000289) produced in HEK293T cells
External Database Links	<p>UniProt: P30613 Related reagents</p> <p>Entrez Gene: 5313 PKLR Related reagents</p>
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
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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 #10048 available at: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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