

Datasheet: VMA00264KT

Description:	PYRUVATE KINASE PKLR ANTIBODY WITH CONTROL LYSATE
Specificity:	PYRUVATE KINASE PKLR
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI1F3
Isotype:	IgG2a
Quantity:	2 Westerns

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	20µl Mouse monoclonal antibody purified by affinity chromatography from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human pyruvate kinase PKLR (NP_000289) produced in HEK293T cells
External Database	UniProt:

Entrez Gene:[5313](#)

PKLR

[Related reagents](#)

Synonyms	PK1, PKL
Specificity	<p>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.</p> <p>Encoded by PKLR gene, pyruvate kinase PKLR catalyzes the transphosphorylation of phohsphoenolpyruvate 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).</p> <p>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.</p>
Western Blotting	Anti pyruvate kinase PKLR detects a band of approximately 62 kDa in K562 cell lysates
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.
Lysate Composition	400µg K562 lysate lyophilized in RIPA buffer.
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
Guarantee	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10048 #10561 available at: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf

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 \(MCA929\)](#)

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