

Datasheet: VMA00174

Description:	MOUSE ANTI HEXOKINASE 2
Specificity:	HEXOKINASE 2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI4C5
Isotype:	IgG1
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
Immunoprecipitation	▪			
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) 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

Species Cross Reactivity

Reacts with: Rat, Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

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

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
---------------------------------------	------------------------------

Immunogen	Full length recombinant human hexokinase 2 (NP_000180) produced in HEK293T cell.
------------------	--

External Database Links	UniProt: P52789 Related reagents
	Entrez Gene: 3099 HK2 Related reagents

Specificity	<p>Mouse anti Human hexokinase 2 antibody, clone OT14C5 recognizes hexokinase 2 (HK2), also known as HK II, hexokinase type II and muscle form hexokinase.</p> <p>Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. Hexokinase 2 is the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of HK2 is insulin-responsive and HKII expression in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells (provided by RefSeq, Apr 2009).</p> <p>Mouse anti Human hexokinase 2 antibody detects a band of 102 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
--------------------	---

Western Blotting	Anti hexokinase 2 detects a band of approximately 102 kDa in K562 cell lysates.
-------------------------	---

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

Guarantee	12 months from date of despatch.
------------------	----------------------------------

Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
-------------------------	---

Health And Safety Information	Material Safety Datasheet documentation #10048 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 IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M397518:220617'

Printed on 17 Jun 2022

© 2022 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)