

Datasheet: VMA00312

BATCH NUMBER 151204

Description:	MOUSE ANTI EIF2AK2
Specificity:	EIF2AK2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	1441CT628.33.40
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
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
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant EIF2AK2

External Database Links	UniProt: P19525 Related reagents Entrez Gene: 5610 EIF2AK2 Related reagents
Synonyms	PKR, PRKR
Specificity	<p>Mouse anti Human EIF2AK2 antibody recognizes the interferon-induced, double-stranded RNA-activated protein kinase, also known as P1/eIF-2A protein kinase, eIF-2A protein kinase 2, interferon-induced, interferon-inducible eIF2alpha kinase, p68 kinase, protein kinase, interferon-inducible double stranded RNA dependent, protein phosphatase 1, regulatory subunit 83 and tyrosine-protein kinase EIF2AK2.</p> <p>Encoded by the EIF2AK2 gene, interferon-induced, double-stranded RNA-activated protein kinase is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. Three transcript variants encoding two different isoforms have been found for EIF2AK2 (provided by RefSeq, Oct 2011).</p> <p>Mouse anti Human EIF2AK2 antibody detects a band of 74 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti EIF2AK2 detects a band of approximately 74 kDa in HEK293 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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00312 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

Printed on 13 Aug 2023

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