

Datasheet: VPA00936

Description:	RABBIT ANTI EIF2AK2
Specificity:	EIF2AK2
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
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	Rabbit polyclonal antibody purified by affinity chromatography on immunogen
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide <50% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant protein of human EIF2AK2
External Database Links	UniProt:

Entrez Gene:

[5610](#) EIF2AK2 [Related reagents](#)

Synonyms PKR, PRKR

Specificity **Rabbit anti Human EIF2AK2 antibody** recognizes EIF2AK2, also known as P1/eIF-2A protein kinase, double stranded RNA activated protein kinase, eIF-2A protein kinase 2, interferon-induced double-stranded RNA-activated protein kinase, interferon-inducible eIF2alpha kinase and tyrosine-protein kinase EIF2AK2.

The protein encoded by EIF2AK2 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).

Rabbit anti Human EIF2AK2 detects a band of 74 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti EIF2AK2 antibody recognizes a band of approximately 74 kDa in HeLa 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 #10049 available at: 10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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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)

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