

Datasheet: AHP2748

Description:	RABBIT ANTI EIF2AK2 (pThr446)
Specificity:	EIF2AK2 (pThr446)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 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	■			1/500 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species Human

Product Form Purified IgG - liquid

Antiserum Preparation Antiserum to EIF2AK2 (pThr446) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative 0.02% Sodium Azide
Stabilisers 50% Glycerol

Immunogen Phospho specific-peptide corresponding to residues surrounding serine threonine 446 of human EIF2AK2

External Database

Links

UniProt:

[P19525](#) [Related reagents](#)

Entrez Gene:

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

Synonyms PKR, PRKR

Specificity **Rabbit anti EIF2AK2 (pThr446) antibody** recognizes interferon-induced, double-stranded RNA-activated protein kinase when phosphorylated on threonine 446. EIF2AK2 is a

serine/threonine protein kinase which is activated by double-stranded RNA (dsRNA) and phosphorylates the α subunit of eukaryotic initiation factor 2 (eIF2 α) ([Hershey 1991](#)). EIF2AK2 is induced by kisspeptin and its activation inhibits cancer growth ([Kim and Cho 2017](#)). Autophosphorylation of EIF2AK2 at threonine 446 is critical for kinase activity ([Zhang et al. 2001](#)).

Storage	Store at -20°C Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
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

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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