

Datasheet: AHP2745

Description:	RABBIT ANTI EIF4G1 (pSer1232)
Specificity:	EIF4G1 (pSer1232)
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
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Product Form	Purified IgG - liquid
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Antiserum Preparation	Antiserum to EIF4G1 (pSer1232) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative	0.02% Sodium Azide
Stabilisers	50% Glycerol

Immunogen	Phospho specific-peptide corresponding to residues surrounding serine 1232 of human EIF4G1
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External Database Links

UniProt:

[Q04637](https://www.uniprot.org/uniprot/Q04637)

[Related reagents](#)

Entrez Gene:

[1981](#) EIF4G1 [Related reagents](#)

Synonyms EIF4F, EIF4G, EIF4GI

Specificity **Rabbit anti EIF4G1 (pSer1232) antibody** recognizes serine/threonine-protein kinase D1, also known as eIF-4-gamma 1, eIF-4G 1, p220, when phosphorylated at serine 1232. During protein synthesis, interaction between eIF4G and eIF4E is essential for the formation of the eIF4F complex ([Gingras et al. 2004](#)). In addition, eIF4G enhances binding of eIF4E to the mRNA 5' cap ([Haghighat and Sonenberg 1997](#)). Increased eIF4G1 expression in prostate cancer samples is associated with tumor progression ([Jaiswal et al. 2018](#)). Phosphorylation of eIF4G1 on serine 1232 is mediated through mitogen-activated protein kinase (MAPK) ([Gluck et al. 2018](#)).

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](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [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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