

Datasheet: AHP2722

Description:	RABBIT ANTI GRK2
Specificity:	GRK2
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

Species Cross Reactivity

Reacts with: 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

Antiserum Preparation

Antiserum to GRK2 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 Stabilisers

0.02% Sodium Azide
50% Glycerol

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 440-689 of human GRK2

External Database**Links****UniProt:**

[P25098](#) [Related reagents](#)

Entrez Gene:

[156](#) ADRBK1 [Related reagents](#)

Synonyms

BARK, BARK1, GRK2

Specificity

Rabbit anti GRK2 antibody recognizes beta-adrenergic receptor kinase 1, also known as ADRBK1, BARK or BARK1. It belongs to the family of serine/threonine protein kinases called GPCR kinases (GRKs) that phosphorylate agonist occupied receptors ([Pitcher et al. 1998](#)). PKC-mediated phosphorylation of GRK2 increases activity toward its substrates ([Krasel et al. 2001](#)). GRK2 mediates ERK activation downstream of the EGFR by acting as a Rho-activated scaffold protein ([Robinson and Pitcher 2013](#)). As GRK2 can modulate several hallmarks of cancer by participation in many signaling pathways, it was suggested that it acts as an oncomodifier ([Nogues et al. 2017](#)).

Western Blotting

Rabbit anti GRK2 antibody detects a band of approximately 90 kDa in cell and tissue lysates under reducing conditions

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

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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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