

Datasheet: AHP2722

**BATCH NUMBER 148099**

<b>Description:</b>	RABBIT ANTI GRK2
<b>Specificity:</b>	GRK2
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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

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**External Database Links**

**UniProt:**  
[P25098](#)    [Related reagents](#)

**Entrez Gene:**  
[156](#)    ADRBK1    [Related reagents](#)

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**Synonyms** BARK, BARK1, GRK2

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**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](#)).

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

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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10049 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP2722>  
10049

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**Regulatory** For research purposes only

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## Related Products

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