

Datasheet: AHP1155

Description:	RABBIT ANTI RIBOSOMAL S6 KINASE 2 (C-TERMINAL)
Specificity:	RIBOSOMAL S6 KINASE 2 (C-TERMINAL)
Other names:	RIBOSOMAL PROTEIN S6 KINASE ALPHA-2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/1000

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Rat
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Chicken, Human, Bovine, Mouse, Dog N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to rat ribosomal S6 kinase 2 (CT) were raised by repeated immunisations of rabbit with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	10mM Hepes pH7.5
Preservative	0.09% Sodium Azide
Stabilisers	0.01% Bovine Serum Albumin 50% Glycerol
Immunogen	A synthetic peptide corresponding to the C-terminal region of rat ribosomal S6 kinase 2, conjugated to keyhole limpet hemocyanin.

Specificity	Rabbit anti Rat ribosomal S6 kinase 2 antibody recognizes ribosomal S6 Kinase 2 a ~83 kDa member of the S6 kinase subfamily of Ser/Thr protein kinases. The kinase is downstream of the extracellular signal-related kinase (ERK)/MAPK cascade and mediates growth-factor and stress induced activation of the transcription factor cAMP response element-binding protein. Ribosomal S6 Kinase 2 has been shown to inhibit G protein-coupled receptors and it's loss leads to Coffin-Lowry syndrome and nonsyndromic X-linked mental retardation. It is widely expressed, primarily in lung and skeletal muscle.
Western Blotting	AHP1155 detects a band of approximately 90kDa in rat hippocampal lysates.
References	<ol style="list-style-type: none"> 1. Field, M. <i>et al.</i> (2006) Mutations in the RSK2(RPS6KA3) gene cause Coffin-Lowry syndrome and nonsyndromic X-linked mental retardation. Clin Genet. 70 (6): 509-15. 2. Thomas, G.M. <i>et al.</i> (2005) Ribosomal S6 kinase 2 interacts with and phosphorylates PDZ domain-containing proteins and regulates AMPA receptor transmission. Proc Natl Acad Sci U S A. 102 (42): 15006-11. 3. Sheffler, D.J. <i>et al.</i> (2006) p90 ribosomal S6 kinase 2 exerts a tonic brake on G protein-coupled receptor signaling. Proc Natl Acad Sci U S A. 103 (12): 4717-22.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Shelf Life	12 months from date of despatch.
Health And Safety Information	<p>Material Safety Datasheet documentation available at:</p> <p>Material Safety Datasheet Documentation #10088 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10088.pdf</p>
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
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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