

Datasheet: AHP1575

BATCH NUMBER 170421

Description:	GOAT ANTI HUMAN p70S6K (C-TERMINAL)
Specificity:	p70S6K (C-TERMINAL)
Other names:	RPS6KB1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

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	▪			1/128000
Immunoprecipitation			▪	
Western Blotting	▪			0.2 - 1.0ug/ml

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

Based on sequence similarity, is expected to react with: Rat, Mouse, Rabbit
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 human p70S6K (CT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity

chromatography.

Buffer Solution	TRIS buffered saline
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Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 0.5mg/ml
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Immunogen	Peptide sequence C-MISKRPEHLRMNL corresponding to the C-Terminal region of p70S6K (NP_003152.1).
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External Database Links	UniProt: P23443 Related reagents Entrez Gene: 6198 RPS6KB1 Related reagents
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Synonyms	STK14A
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RRID	AB_2301243
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Specificity	<p>Goat anti phospho-70S6K antibody recognizes an epitope within the C-terminal (CT) region of human p70S6K, otherwise known as RPS6KB1 or Ribosomal protein S6 kinase beta-1. 70S6K is a serine/threonine kinase which acts upon 40S ribosomal protein S6 to induce protein synthesis, allowing for efficient G1 phase progression.</p> <p>p70S6K is activated following phosphorylation of several sites, in response to hormones, growth factors, mitogenic stimuli and physical exercise, and is a downstream effector in the AKT/mTOR (mammalian target of rapamycin) signalling pathway. p70S6K also acts as a regulator of cell motility, invasion, and cytoskeletal reorganization.</p>
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Western Blotting	AHP1575 detects a band of approximately 65-70kDa in human muscle and placenta cell lysates.
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Storage	Store at +4°C or at -20°C if preferred. 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 #10058 available at: https://www.bio-rad-antibodies.com/SDS/AHP1575 10058
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [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
'M363953:200529'

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