

## Datasheet: AHP1575

<b>Description:</b>	GOAT ANTI HUMAN p70S6K (C-TERMINAL)
<b>Specificity:</b>	p70S6K (C-TERMINAL)
<b>Other names:</b>	RPS6KB1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>Immunogen</b>	Peptide sequence C-MISKRPEHLRMNL corresponding to the C-Terminal region of p70S6K (NP_003152.1).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P23443</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6198</a>    RPS6KB1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	STK14A
<b>RRID</b>	AB_2301243
<b>Specificity</b>	<p><b>Goat anti phospho-70S6K antibody</b> 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>
<b>Western Blotting</b>	AHP1575 detects a band of approximately 65-70kDa in human muscle and placenta cell lysates.
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: 10058: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

**North & South** Tel: +1 800 265 7376

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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://bio-rad-antibodies.com/datasheets)

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