

## 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.

|                                       |  |
|---------------------------------------|--|
| <b>Target Species</b>                 | Human  |
| <b>Species Cross Reactivity</b>       | Based on sequence similarity, is expected to react with:Rat, Mouse, Rabbit<br><b>N.B.</b> Antibody reactivity and working conditions may vary between species.                   |
| <b>Product Form</b>                   | Purified IgG - liquid  |
| <b>Antiserum Preparation</b>          | 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).

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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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**Specificity**

**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.

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.

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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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**Shelf Life**

18 months from date of despatch.

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**Health And Safety Information**

Material Safety Datasheet documentation #10058 available at:  
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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