

## Datasheet: MCA6299

<b>Description:</b>	RABBIT ANTI P90RSK1 (pThr359/pSer363)
<b>Specificity:</b>	P90RSK1 (pThr359/pSer363)
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM233
<b>Isotype:</b>	IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/200 - 1/500
Western Blotting	▪			1/1000 - 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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	A phospho-peptide corresponding to Human P90RSK1 (pThr359/Ser363)
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**

[6195](#)   RPS6KA1   [Related reagents](#)

---

**Synonyms**      MAPKAPK1A, RSK1

---

**Specificity**      **Rabbit anti Human P90RSK1 (pThr359/pSer363) antibody** recognizes ribosomal protein S6 kinase alpha-1 (S6K-alpha-1), also known as RPS6KA1, RSK1, MAPKAPK1A when phosphorylated at threonine 359 and serine 363. P90RSK1 belongs to the RSK (ribosomal S6 kinase) family of serine/threonine kinases ([Fisher and Blenis 1996](#)). P90RSK1 is a downstream effector of the Ras/ERK signalling pathway ([Casalvieri et al. 2017](#)). It directly phosphorylates I $\kappa$ B and activates NF- $\kappa$ B ([Xu et al. 2006](#)). P90RSK1 has been reported to phosphorylate CREB on Ser133 ([Cho et al. 2011](#)). RSK also promotes mTOR signaling and translation ([Shahbazian et al. 2006](#)). Expression and activity of RSK1 promotes tumor growth and survival ([Casalvieri et al. 2017](#)). Phosphorylation of P90RSK1, including at Thr359 and Ser363, activates P90RSK1 in the cytoplasm and at the plasma membrane, and fully active RSK1 localizes to the nucleus ([Gao et al. 2012](#)).

---

**Storage**      Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use

---

**Guarantee**      12 months from date of despatch

---

**Health And Safety Information**      Material Safety Datasheet documentation #10048 available at: 10048: <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

---

**Regulatory**      For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...)      [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...)      [RPE](#)
- Sheep Anti Rabbit IgG (STAR36...)      [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M376279:210127'

Printed on 21 Mar 2022

