

Datasheet: MCA6299

**BATCH NUMBER 155772**

<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</b>	<b>UniProt:</b>

**Links**[Q15418](#)[Related reagents](#)**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 IκBβ and activates NF-κB ([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:

<https://www.bio-rad-antibodies.com/SDS/MCA6299>

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**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](#)**North & South**

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