

## Datasheet: VMA00459

<b>Description:</b>	MOUSE ANTI RPS6KA3
<b>Specificity:</b>	RPS6KA3
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 µl

## 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
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Rat

**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

### Preparation

Mouse monoclonal antibody isolated from ascites by saturated ammonium sulfate precipitation followed by dialysis against PBS

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

**Immunogen** Purified His-tagged fragment of human RPS6KA3

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**External Database**

**Links**

**UniProt:**

[P51812](#) [Related reagents](#)

**Entrez Gene:**

[6197](#) RPS6KA3 [Related reagents](#)

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**Synonyms**

ISPK1, MAPKAPK1B, RSK2

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**Specificity**

**Mouse anti Human RPS6KA3 antibody** recognizes the ribosomal protein S6 kinase alpha-3, also known as MAP kinase-activated protein kinase 1b, insulin-stimulated protein kinase 1, p90-RSK 3 or ribosomal S6 kinase 2.

RPS6KA3 encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Mutations in RPS6KA3 gene have been associated with Coffin-Lowry syndrome ([CLS](#)) (provided by RefSeq, Jul 2008), additionally mutations in the RPS6KA3 gene have been associated with a non-syndromic mental retardation X-linked-19 ([MRX19](#)).

Mouse anti Human RPS6KA3 antibody detects a band of 83 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti RPS6KA3 detects a band of approximately 83 kDa in A431 cell lysate

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:  
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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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