

## Datasheet: VMA00525

<b>Description:</b>	MOUSE ANTI 14-3-3 EPSILON
<b>Specificity:</b>	14-3-3 EPSILON
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB01/1G9
<b>Isotype:</b>	IgG2a
<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: Mouse, 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 purified by affinity chromatography on Protein G from tissue culture supernatant.

### Buffer Solution

Phosphate buffered saline.

### Preservative Stabilisers

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

**Immunogen** *E. coli*-derived recombinant human 14-3-3 epsilon (amino acids 1 - 255)

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**External Database**

**Links**

**UniProt:**

[P62258](#) [Related reagents](#)

**Entrez Gene:**

[7531](#) YWHAE [Related reagents](#)

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**Specificity**

**Mouse anti Human 14-3-3 epsilon antibody** recognizes the 14-3-3 protein epsilon, also known as epididymis luminal protein 2, mitochondrial import stimulation factor L subunit, protein kinase C inhibitor protein-1, or tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide, or YWHAE.

YWHAE gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the mouse ortholog. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, have been found for YWHAE (provided by RefSeq, Aug 2008).

Mouse anti Human 14-3-3 epsilon antibody detects a band of 28 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti 14-3-3 epsilon detects a band of approximately 28 kDa in HEK293 cell lysates.

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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: <https://www.bio-rad-antibodies.com/SDS/VMA00525>  
Antibody (10040)

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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 IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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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