

## Datasheet: VMA00333

<b>Description:</b>	MOUSE ANTI 14-3-3 BETA/ALPHA
<b>Specificity:</b>	14-3-3 BETA/ALPHA
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Immunogen</b>	Recombinant human 14-3-3 beta/alpha
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P31946</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">7529</a> YWHAB <a href="#">Related reagents</a>

**Specificity**

**Mouse anti Human 14-3-3 beta/alpha antibody** recognizes the 14-3-3 protein beta/alpha, also known as 14-3-3 alpha, brain protein 14-3-3, beta isoform, epididymis secretory protein Li 1, protein 1054, protein kinase C inhibitor protein 1, protein kinase C inhibitor protein-1, tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, alpha polypeptide and tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide.

Encoded by the YWHAB gene, 14-3-3 protein beta/alpha belonging to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified for YWHAB (provided by RefSeq, Jul 2008).

Mouse anti Human 14-3-3 protein beta/alpha 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 beta/alpha detects a band of approximately 28 kDa in MCF7 cell lysates

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

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**Guarantee**                    As supplied, 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 IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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