

Datasheet: VMA00333

BATCH NUMBER 151215

Description:	MOUSE ANTI 14-3-3 BETA/ALPHA
Specificity:	14-3-3 BETA/ALPHA
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG2a
Quantity:	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.

	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	<p>Reacts with: Mouse, Rat</p> <p>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.</p>
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Immunogen	Recombinant human 14-3-3 beta/alpha
External Database Links	<p>UniProt: P31946 Related reagents</p> <p>Entrez Gene: 7529 YWHAB Related reagents</p>
Specificity	<p>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.</p> <p>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).</p> <p>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.</p>
Western Blotting	Anti 14-3-3 beta/alpha detects a band of approximately 28 kDa in MCF7 cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00333
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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