Datasheet: VMA00872

Description:	MOUSE ANTI RHOA
Specificity:	RHOA
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	21E2-C5
Isotype:	IgG2b
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	▪			1/500 - 1/2000

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
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Synthetic peptide corresponding to RhoA amino acids 159 to 190

External Database Links	**UniProt:** P61586 Related reagents **Entrez Gene:** 387 RHOA Related reagents
Synonyms	ARH12, ARHA, RHO12
Specificity	**Mouse anti RhoA antibody** recognizes transforming protein RhoA, also known as ARH12. RhoA is a ubiquitously-expressed small GTPase with important roles in cytoskeletal rearrangement, regulation of cell morphology and movement, and transcription. Like other GTPases, it cycles between an inactive GDP-bound state and an active GTP-bound state through exchange of GDP for GTP (Choi et al. 2020). Like many other GTPases, RhoA has been found to play roles in almost all stages of tumor progression including proliferation, migration, invasion and metastasis. Its activation has been shown to contribute to oncogenic transformation of a range of cell types (Dopeso et al. 2018). Mouse anti RhoA antibody recognizes epitope sequence corresponding to amino acids 171 to 177 of RhoA.
Western Blotting	Anti RHOA detects a band of approximately 20 kDa
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/VMA00872 10040
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG2b NEGATIVE CONTROL (MCA691)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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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