

Datasheet: VMA00872

BATCH NUMBER 157718

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

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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://www.bio-rad-antibodies.com/datasheets)

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