

Datasheet: VMA00959

Description:	MOUSE ANTI RAB1A
Specificity:	RAB1A
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	EF02/1D7
Isotype:	IgG1
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	▪			1/2000

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

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 affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-205 of human RAB1A
External Database Links	<p>UniProt: P62820 Related reagents</p> <p>Entrez Gene: 5861 RAB1A Related reagents</p>
Synonyms	RAB1
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	Mouse anti RAB1A antibody recognizes ras-related protein Rab-1A, also known as YPT1-related protein. RAB1A is a member of the RAB family of GTPases, and regulates traffic of vesicles from the endoplasmic reticulum to the Golgi apparatus. RAB1A also functions in mediation of signal transduction, cell migration, and autophagy regulation (Cheng et al. 2019). RAB1A plays an oncogenic role in many human cancers including breast cancer, lung cancer, hepatocellular carcinoma (Wang et al. 2018) and colorectal cancer (Thomas et al. 2014). Importantly for various cancer types, RAB1A is involved with regulating the PI3K-AKT-mTORC1 pathway through the mTORC1 complex (Xu et al. 2017).
Western Blotting	Mouse anti RAB1A detects a band of approximately 23 kDa in MCF-7 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/VMA00959 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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

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