

Datasheet: VMA00974

Description:	MOUSE ANTI UVRAG
Specificity:	UVRAG
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB05/4B1
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
Immunoprecipitation	▪			
Western Blotting	▪			1/500 - 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

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

0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen

E. coli-derived recombinant protein of amino acids 200-699 of human UVRAG

External Database Links

UniProt:

[Q9P2Y5](#)

[Related reagents](#)

Entrez Gene:

[7405](#)

UVRAG

[Related reagents](#)

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity

Mouse anti UVRAG antibody recognizes UV radiation resistance-associated gene protein, also known as p63. UVRAG is a tumor suppressor protein which surveys DNA integrity in response to DNA damage. It is a promoter of autophagy which plays an important role in maintaining energy homeostasis. UVRAG is important during the tanning response to UV light, downstream of the cAMP signaling pathway. It mediates biogenesis of melanosomes via its interaction with BLOC-1 ([Yang et al. 2018](#)). This process provides a first line of defence against development of skin cancer. Abnormally low levels of UVRAG contribute to the development of many types of cancer ([Li et al. 2019](#)). Accordingly, low UVRAG expression in patients with melanoma is associated with worse clinical outcome ([Yang et al. 2016](#)). Polymorphisms in the gene encoding UVRAG are associated with vitiligo, a disorder affecting melanocytes and causing loss of skin pigmentation ([Rashighi and Harris 2017](#)).

Western Blotting

Mouse anti UVRAG detects a band of approximately 94 kDa in Raji 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/VMA00974>
Antibody (10040)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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
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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

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