

Datasheet: VMA00974

**BATCH NUMBER 100005797**

<b>Description:</b>	MOUSE ANTI UVRAG
<b>Specificity:</b>	UVRAG
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB05/4B1
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://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

<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant protein of amino acids 200-699 of human UVRAG
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9P2Y5</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7405</a> UVRAG   <a href="#">Related reagents</a></p>
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
<b>Specificity</b>	<p><b>Mouse anti UVRAG antibody</b> 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 (<a href="#">Yang et al. 2018</a>). 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 (<a href="#">Li et al. 2019</a>). Accordingly, low UVRAG expression in patients with melanoma is associated with worse clinical outcome (<a href="#">Yang et al. 2016</a>). Polymorphisms in the gene encoding UVRAG are associated with vitiligo, a disorder affecting melanocytes and causing loss of skin pigmentation (<a href="#">Rashighi and Harris 2017</a>).</p>
<b>Western Blotting</b>	Mouse anti UVRAG detects a band of approximately 94 kDa in Raji cell lysates
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00974">https://www.bio-rad-antibodies.com/SDS/VMA00974</a> Antibody (10040)
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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

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