

Datasheet: VMA00968

**BATCH NUMBER 100005823**

<b>Description:</b>	MOUSE ANTI RNF20
<b>Specificity:</b>	RNF20
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB06/4F9
<b>Isotype:</b>	IgG2a
<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	▪			1/2000

**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

<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 1-526 of human RNF20
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q5VTR2</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">56254</a> RNF20    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	BRE1A
<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>	<b>Mouse anti RNF20 antibody</b> recognizes E3 ubiquitin-protein ligase BRE1A, also known as BRE1A. RNF20 is a RING domain E3 ubiquitin ligase and mediates ubiquitin transfer to target proteins. RNF20 plays many roles in transcription, cell division, heat shock responses, and adipogenesis ( <a href="#">Jeon et al. 2020</a> ). In development, RNF20 is essential for plasticity of embryonic stem cells and controls astrocyte differentiation during brain development ( <a href="#">Liang et al. 2018</a> ). Alterations in the gene encoding RNF20 have been identified in a variety of human cancers including breast, lung and prostate cancer, clear cell renal cell carcinoma and mixed lineage leukemia. Reduced expression of RNF20 appears to be linked to genome instability, and RNF20 appears to act as a tumor suppressor in cancer types driven by chronic inflammation ( <a href="#">Sethi et al. 2018</a> ).
<b>Western Blotting</b>	Mouse anti RNF20 detects a band of approximately 120 kDa in HEK293 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/VMA00968">https://www.bio-rad-antibodies.com/SDS/VMA00968</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)

'M390084:210823'

**Printed on 25 Mar 2023**

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