

Datasheet: VMA00968

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

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

0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-526 of human RNF20

External Database Links

UniProt:

[Q5VTR2](#) [Related reagents](#)

Entrez Gene:

[56254](#) RNF20 [Related reagents](#)

Synonyms BRE1A

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

Specificity **Mouse anti RNF20 antibody** 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 ([Jeon et al. 2020](#)). In development, RNF20 is essential for plasticity of embryonic stem cells and controls astrocyte differentiation during brain development ([Liang et al. 2018](#)). 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 ([Sethi et al. 2018](#)).

Western Blotting Mouse anti RNF20 detects a band of approximately 120 kDa in HEK293 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/VMA00968>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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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