

Datasheet: VMA00916

Description:	MOUSE ANTI RPS2
Specificity:	RPS2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	EF05/3G8
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	▪			1/1000

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 1-293 of human RPS2

External Database Links

UniProt:

[P15880](#) [Related reagents](#)

Entrez Gene:

[6187](#) RPS2 [Related reagents](#)

Synonyms RPS4

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

Specificity **Mouse anti RPS2 antibody** recognizes 40S ribosomal protein S2, also known as Protein LLRep3 and small ribosomal subunit protein uS5.

RPS2 encodes a protein that forms an extraribosomal complex with PRMT1, conserved from fission yeast to humans, and may interact with other proteins to fulfil key roles beyond the ribosome ([Dionne et al. 2019](#)). Regulatory functions of RPS2 include controlling the binding affinity between the 40S ribosome component and mRNA, and transport of 40S precursors from the nucleus to the cytoplasm ([Minakhina et al. 2016](#)). Elevated RPS2 mRNA is associated with increased cellular proliferation, and RPS2 is upregulated in a range of cancer types. RPS2 has been suggested as a potential therapeutic target in colorectal cancer because downregulation of RPS2 diminishes the viability of CRC cell lines ([Grade et al. 2011](#)).

Western Blotting Mouse anti RPS2 detects a band of approximately 31 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: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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)

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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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