

Datasheet: VMA00916

BATCH NUMBER 100005621

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 Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-293 of human RPS2
External Database Links	<p>UniProt: P15880 Related reagents</p> <p>Entrez Gene: 6187 RPS2 Related reagents</p>
Synonyms	RPS4
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti RPS2 antibody recognizes 40S ribosomal protein S2, also known as Protein LLRep3 and small ribosomal subunit protein uS5.</p> <p>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).</p>
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: https://www.bio-rad-antibodies.com/SDS/VMA00916 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South Tel: +1 800 265 7376

America 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

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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