Datasheet: VMA00311

BATCH NUMBER 172039

Description:	MOUSE ANTI RAPTOR
Specificity:	RAPTOR
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	1411CT316.2.151.34
Isotype:	IgG1
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
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. Learn about 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

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 prepared by affinity chromatography on Protein G from tissue culture supernatant.

Buffer Solution

Phosphate buffered saline.

Preservative

0.09% Sodium Azide (NaN_3).

Stabilisers	
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Recombinant RAPTOR
External Database Links	**UniProt:** Q8N122 Related reagents **Entrez Gene:** 57521 RPTOR Related reagents
Synonyms	KIAA1303, RAPTOR
Specificity	**Mouse anti Human RAPTOR antibody** recognizes the regulatory-associated protein of mTOR (RAPTOR), also known as p150 target of rapamycin (TOR)-scaffold protein. Encoded by the RPTOR gene, regulatory-associated protein of mTOR is a component of a signaling pathway that regulates cell growth in response to nutrient and insulin levels. RAPTOR forms a stoichiometric complex with the mTOR kinase, and also associates with eukaryotic initiation factor 4E-binding protein-1 and ribosomal protein S6 kinase. The protein positively regulates the downstream effector ribosomal protein S6 kinase, and negatively regulates the mTOR kinase. Multiple transcript variants encoding different isoforms have been found for RPTOR (provided by RefSeq, Sep 2009). Mouse anti Human RAPTOR antibody detects a band of 149 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti RAPTOR detects a band of approximately 149 kDa in HEK293 cell lysates.
Storage	This product is shipped at ambient temperature. 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/VMA00311
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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