

Datasheet: VMA00311

Description:	MOUSE ANTI RAPTOR
Specificity:	RAPTOR
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	1A9
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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
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 Stabilisers	0.09% Sodium Azide (NaN ₃)
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
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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 IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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