Datasheet: VMA00609

Description:	MOUSE ANTI PI-3 KINASE REGULATORY SUBUNIT 1
Specificity:	PI-3 KINASE REGULATORY SUBUNIT 1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	D03/2G12-4
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
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 purified by affinity chromatograpy on Protein G from tissue culture supernatant.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN_3).

Immunogen	*E. coli*-derived recombinant human PI-3 kinase regulatory subunit 1 (aa 429-724)
External Database Links	**UniProt:** P27986 Related reagents **Entrez Gene:** 5295 PIK3R1 Related reagents
Synonyms	GRB1
Specificity	**Mouse anti Human PI-3 kinase regulatory subunit 1 antibody** recognizes PI-3 kinase regulatory subunit 1 (PIK3R1), also known as p85, AGM7, GRB1, IMD36 or phosphatidylinositol 3-kinase regulatory subunit alpha. Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kDa catalytic subunit and a regulatory subunit of either 85, 55 or 50 kDa. This gene encodes the 85 kDa regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms (provided by RefSeq, Jun 2011). Mouse anti Human PI-3 kinase regulatory subunit 1 antibody detects a band of 85 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Mouse anti PI-3 kinase regulatory subunit 1 antibody detects a band of approximately 85 kDa in MCF7 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/VMA00609 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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