

Datasheet: VMA00084

Description:	MOUSE ANTI GRP75
Specificity:	GRP75
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
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, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin <50% Glycerol
Immunogen	Synthetic peptide corresponding to GRP75
External Database Links	UniProt: P38646 Related reagents Entrez Gene: 3313 HSPA9 Related reagents

Synonyms	GRP75, HSPA9B
Specificity	Mouse anti Human GRP75 antibody recognizes GRP75, also known as 75 kDa glucose-regulated protein, GRP-75, Heat shock 70 kDa protein 9, Mortalin, MOT and peptide-binding protein 74 (PBP74). Encoded by the HSPA9 gene, GRP75 is a member of the heat shock protein 70 gene family and is primarily localized to the mitochondria but also found in the endoplasmic reticulum, plasma membrane and cytoplasmic vesicles. GRP75 is a heat-shock cognate protein and plays a role in cell proliferation, stress response and maintenance of the mitochondria. A pseudogene of HSPA9 is found on chromosome 2 (provided by RefSeq, May 2010). Mouse anti Human GRP75 antibody detects a band of 75 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti GRP75 detects a band of approximately 75 kDa in K562 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 #10048 available at: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.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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