

Datasheet: VMA00477

Description:	MOUSE ANTI PDIA3
Specificity:	PDIA3
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
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)
Immunogen	Recombinant protein of human PDIA3
External Database Links	<p>UniProt: P30101 Related reagents</p> <p>Entrez Gene: 2923 PDIA3 Related reagents</p>
Synonyms	ERP57, ERP60, GRP58
Specificity	Mouse anti Human PDIA3 antibody recognizes PDIA3 also known as protein disulfide-isomerase A3, 58 kDa glucose-regulated protein, Grp58, Erp57, ER protein 57, ER protein 60, disulfide

isomerase ER-60, endoplasmic reticulum P58, endoplasmic reticulum resident protein 57 or endoplasmic reticulum resident protein 60,

PDIA3 gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates (provided by RefSeq, Jul 2008).

Mouse anti Human PDIA3 antibody detects a band of 57 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti PDIA3 detects a band of approximately 57 kDa in HepG2 cell lysate
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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.
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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Shelf Life	As supplied, 12 months from date of despatch.
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Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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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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