

Datasheet: VMA00279

Description:	MOUSE ANTI NDUFS2
Specificity:	NDUFS2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OT12G2
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. 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.
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Recombinant protein corresponding to amino acids 205-463 of human NDUFS2 (NP_004541) produced in <i>E. coli</i>
External Database Links	UniProt: O75306 Related reagents

Entrez Gene:[4720](#) [NDUFS2](#) [Related reagents](#)

Specificity	<p>Mouse anti Human NDUFS2 antibody recognizes the NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial, also known as CI-49kD, NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial, NADH-ubiquinone oxidoreductase 49 kDa subunit, NADH-ubiquinone oxidoreductase NDUFS2 subunit, complex 1, mitochondrial respiratory chain, 49-KD subunit, complex I 49kDa subunit and complex I-49kD.</p> <p>Encoded by the NDUFS2 gene, NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I). Mammalian mitochondrial complex I is composed of at least 43 different subunits, 7 of which are encoded by the mitochondrial genome, and the rest are the products of nuclear genes. The iron-sulfur protein fraction of complex I is made up of 7 subunits, including NDUFS2 product. Complex I catalyzes the NADH oxidation with concomitant ubiquinone reduction and proton ejection out of the mitochondria. Mutations in NDUFS2 gene are associated with mitochondrial complex I deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for NDUFS2 (provided by RefSeq, Oct 2009).</p> <p>Mouse anti Human NDUFS2 antibody detects a band of 49 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti NDUFS2 detects a band of approximately 49 kDa in Raji 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 #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 \(MCA928\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

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