

Datasheet: VMA00457

Description:	MOUSE ANTI SDHB
Specificity:	SDHB
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI2A3
Isotype:	IgG2b
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

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

Purified IgG prepared by affinity chromatography on Protein G from ascites

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin

50% Glycerol

Immunogen Full length human recombinant protein of human SDHB produced in *E. Coli*

External Database Links

UniProt:

[P21912](#) [Related reagents](#)

Entrez Gene:

[6390](#) SDHB [Related reagents](#)

Synonyms SDH, SDH1

Specificity **Mouse anti Human SDHB antibody** recognizes SDHB, also known as iron-sulfur subunit of complex II.

Complex II of the respiratory chain, which is specifically involved in the oxidation of succinate, carries electrons from FADH to Coenzyme Q. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. The iron-sulfur subunit is highly conserved and contains three cysteine-rich clusters which may comprise the iron-sulfur centers of the enzyme. Sporadic and familial mutations in SDHB gene result in development of paragangliomas ([PGL4](#)), pheochromocytoma ([PCC](#)) or paraganglioma and gastric stromal sarcoma ([PGGSS](#)) suggesting a link between mitochondrial dysfunction and tumorigenesis. (provided by RefSeq, Jul 2008).

Mouse anti Human SDHB antibody detects a band of 32 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti SDHB detects a band of approximately 32 kDa in HepG2 cell lysate

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 IgG2b NEGATIVE CONTROL \(MCA691\)](#)

North & South Tel: +1 800 265 7376

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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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