

Datasheet: VMA00457

Description:	MOUSE ANTI SDHB
Specificity:	SDHB
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	2A3
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

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 N.B. Antibody reactivity and working conditions may vary between species.
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 (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length human recombinant protein of human SDHB produced in <i>E. Coli</i>
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 (PGSS) 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
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 IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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Printed on 04 May 2018