

Datasheet: VMA00400

Description:	MOUSE ANTI ERAB
Specificity:	ERAB
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OTI5E2
Isotype:	IgG2a
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 from ascites
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human ERAB (HSD17B10) (NP_004484) produced in HEK293T cells
External Database Links	UniProt: Q99714 Related reagents Entrez Gene: 3028 HSD17B10 Related reagents
Synonyms	ERAB, HADH2, MRPP2, SCHAD, XH98G2

Specificity **Mouse anti Human ERAB antibody** recognizes ERAB, also known as 3-hydroxyacyl-CoA dehydrogenase type-2, HSD17B10, 3-hydroxy-2-methylbutyryl-CoA dehydrogenase, AB-binding alcohol dehydrogenase, amyloid-beta peptide binding alcohol dehydrogenase, short chain dehydrogenase/reductase family 5C, member 1 and short chain type dehydrogenase/reductase XH98G2.

Encoded by the ERAB / HSD17B10 gene, 3-hydroxyacyl-CoA dehydrogenase type-2 is a member of the short-chain dehydrogenase/reductase superfamily. 3-hydroxyacyl-CoA dehydrogenase type-2 is mitochondrial protein that catalyzes the oxidation of a wide variety of fatty acids, alcohols, and steroids and has been implicated in the development of Alzheimer's disease. Mutations in the gene are the cause of 2-methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency (MHBD). Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined (provided by RefSeq, Jul 2008).

Mouse anti Human ERAB antibody detects a band of 27 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti ERAB detects a band of approximately 27 kDa in HeLa 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 IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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