

Datasheet: VMA00400KT

Description:	ERAB ANTIBODY WITH CONTROL LYSATE
Specificity:	ERAB
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI5E2
Isotype:	IgG2a
Quantity:	2 Westerns

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	20µl 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	Full length recombinant human ERAB (HSD17B10) (NP_004484) produced in HEK293T cells
External Database	UniProt:

Links

[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.

Lysate Composition

400µg HeLa lysate lyophilized in RIPA buffer

Lysate Reconstitution

- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.

- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.

Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

Storage

Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

Guarantee

As supplied, 12 months from date of despatch

Acknowledgements

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**Health And Safety
Information**

Material Safety Datasheet documentation #10048 #10561 available at:
Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.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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