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HIBADH Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17874a

Product Information

Application	WB, E
Primary Accession	P31937
Other Accession	NP_689953.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22279
Calculated MW	35329
Antigen Region	1-30

Additional Information

Gene ID	11112
Other Names	3-hydroxyisobutyrate dehydrogenase, mitochondrial, HIBADH, HIBADH
Target/Specificity	This HIBADH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HIBADH.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HIBADH Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HIBADH
Cellular Location	Mitochondrion.
Tissue Location	Detected in skin fibroblasts.

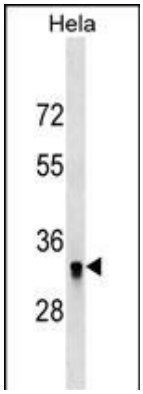
Background

3-hydroxyisobutyrate dehydrogenase (3-hydroxy-2-methylpropanoate:NAD(+) oxidoreductase, EC 1.1.1.31) is a dimeric mitochondrial enzyme that catalyzes the NAD(+)-dependent, reversible oxidation of 3-hydroxyisobutyrate, an intermediate of valine catabolism, to methylmalonate semialdehyde.

References

Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) :
Rougraff, P.M., et al. J. Biol. Chem. 264(10):5899-5903(1989)
Rougraff, P.M., et al. J. Biol. Chem. 263(1):327-331(1988)
ROBINSON, W.G., et al. J. Biol. Chem. 225(1):511-521(1957)

Images



HIBADH Antibody (N-term) (Cat. #AP17874a) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the HIBADH antibody detected the HIBADH protein (arrow).