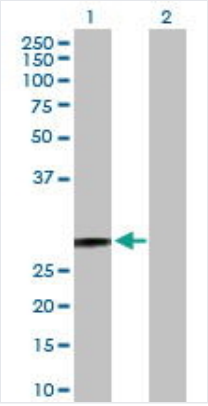
HADH2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HADH2, Polyclonal Antibody
Full Product Name	HADH2 (Hydroxyacyl-Coenzyme A Dehydrogenase Type II, AB-binding Alcohol Dehydrogenase, ABAD, CAMR, DUPXp11.22, ERAB, HCD2, HSD17B
Product Gene Name	anti-HADH2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human HSD17B10.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	25,984 Da
Immunogen	Full length human HSD17B10, aa1-261 (NP_004484.1).
Immunogen Sequence	MAAACRSVKGLVAVITGGASGLGLATAERLVGQGASAVLLDLPNSGGEAQAKKLGNNCVFAPADVTSEKDVQTALALAKGKFGRVDVAVNCAGIAVASK
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-HADH2 antibody	Antibodies; Enzymes; Dehydrogenase
Applications Tested/Suitable for anti-HADH2 antibody	Western Blot (WB)
Application Notes for anti-HADH2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-HADH2 antibody	HCD2 (Hydroxyacyl-Coenzyme A dehydrogenase) is a mitochondrial protein that catalyzes the oxidation of straight-chain 3-hydroxyacyl-CoAs as part o
Other Notes	Small volumes of anti-HADH2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces

Searchable Terms for HADH2 purchase	MBS6380738 is an antibody targeting HADH2. Also known as HADH2 (Hydroxyacyl-Coenzyme A Dehydrogenase Type II, AB-binding Alcohol Dehydro Rabbit.



Western Blot (WB) of anti-HADH2 antibody
Western Blot analysis of HSD17B10 expression in transfected 293T cell line by HSD17B10 polyclonal antibody. Lane 1: HSD17B10 transfected lysate (26.9kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HADH2. It may not necessarily be applicable to this product.

NCBI GI #	4758504
NCBI GeneID	3028
NCBI Accession #	NP_004484.1
NCBI Related Accession #	NP_001032900.1
UniProt Secondary Accession #	Q5H927; Q6IBS9; Q8TCV9; Q96HD5
UniProt Related Accession #	Q99714
GenBank Nucleotide #	NM_004493.2
NCBI Official Full Name	3-hydroxyacyl-CoA dehydrogenase type-2 isoform 1
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 10
NCBI Official Symbol	HSD17B10
NCBI Official Synonym Symbols	ABAD; CAMR; ERAB; HCD2; MHBD; HADH2; MRPP2; MRX17; MRX31; SCHAD; MRXS10; SDR5C1; 17b-HSD10; DUPXp11.22
NCBI Protein Information	3-hydroxyacyl-CoA dehydrogenase type-2
NCBI Summary for HADH2	This gene encodes 3-hydroxyacyl-CoA dehydrogenase type II, a member of the short-chain dehydrogenase/reductase superfamily. The gene product is a mitochondrial protein that catalyzes the oxidation of a wide variety of fatty acids and steroids, and is a subunit of mitochondrial ribonuclease P, which is involved in tRNA maturation. The protein has been implicated in the development of Alzheimer disease, and mutations in the gene are the cause of 17beta-hydroxysteroid dehydrogenase type 10 (HSD10) deficiency. Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq, Aug 2014]
Research Articles on HADH2	**1.** upon exposure to E2, ERalpha rapidly localizes to mitochondria, in which it interacts with HSD17B10 to modulate the expression of mitochondrial RNA transcripts.

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