



Anti-HSD17B10 (aa 31-128) polyclonal antibody (DPAB-DC1537)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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, alcohols, and steroids. The protein has been implicated in the development of Alzheimers disease, and 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.
Immunogen	HSD17B10 (NP_004484, 31 a.a. ~ 128 a.a) partial recombinant protein with GST tag. The sequence is VGQGASAVLLDLPNSGGEAQAKKLGNNCVFAPADVTSEKDVQTALALAKGKFGFRVDVAVN CAGIAVASKTYNLKKGQHTLTLEDFQRVLDVNLMTGFNV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HSD17B10 hydroxysteroid (17-beta) dehydrogenase 10 [Homo sapiens (human)]
Official Symbol	HSD17B10
Synonyms	HSD17B10; hydroxysteroid (17-beta) dehydrogenase 10; ABAD; CAMR; ERAB; HCD2; MHBD; HADH2; MRPP2; MRX17; MRX31; SCHAD; MRXS10; SDR5C1; 17b-HSD10; DUPXp11.22; 3-hydroxyacyl-CoA dehydrogenase type-2; mitochondrial RNase P subunit 2; AB-binding alcohol dehydrogenase; mitochondrial ribonuclease P protein 2; 3-hydroxy-2-methylbutyryl-CoA dehydrogenase; short chain type dehydrogenase/reductase XH98G2; amyloid-beta peptide binding alcohol dehydrogenase; short chain L-3-hydroxyacyl-CoA dehydrogenase type 2; short chain dehydrogenase/reductase family 5C, member 1; endoplasmic reticulum-associated amyloid beta-peptide-binding protein;
Entrez Gene ID	3028
Protein Refseq	NP_001032900
UniProt ID	Q99714
Chromosome Location	Xp11.2
Pathway	Alzheimers disease; Alzheimers Disease; Metabolism; Tryptophan metabolism
Function	3-hydroxy-2-methylbutyryl-CoA dehydrogenase activity; 3-hydroxyacyl-CoA dehydrogenase activity; cholate 7-alpha-dehydrogenase activity; poly(A) RNA binding