

## Product datasheet for **TA500687S**

### ERAB (HSD17B10) Mouse Monoclonal Antibody [Clone ID: OTI3B5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3B5
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human HSD17B10 expression vector
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26.9 kDa
Gene Name:	hydroxysteroid 17-beta dehydrogenase 10
Database Link:	<a href="#">NP_004484</a> <a href="#">Entrez Gene 15108 Mouse</a> <a href="#">Entrez Gene 63864 Rat</a> <a href="#">Entrez Gene 3028 Human</a> <a href="#">Q99714</a>



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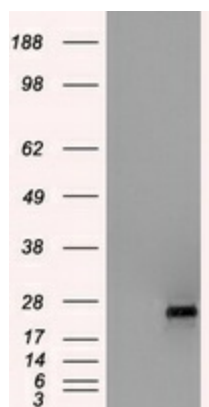
**Background:** This gene encodes 3-hydroxyacyl-CoA dehydrogenase type II, a member of the short-chain dehydrogenase/reductase superfamily. The gene product is a mitochondrial protein that catalyzes the oxidation of a wide variety of fatty acids, alcohols, and steroids. The protein has been implicated in the development of Alzheimer's 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.

**Synonyms:** 17b-HSD10; ABAD; CAMR; DUPXp11.22; ERAB; HADH2; HCD2; MHBD; MRPP2; MRX17; MRX31; MRXS10; SCHAD

**Protein Families:** Druggable Genome

**Protein Pathways:** Alzheimer's disease, Metabolic pathways, Valine, leucine and isoleucine degradation

### Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HSD17B10 ([RC201734], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HSD17B10. Positive lysates [LY401426] (100ug) and [LC401426] (20ug) can be purchased separately from OriGene.