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Datasheet for ABIN7101350  
**anti-HSD17B10 antibody**

1 Image

### Overview

Quantity:	20 µL
Target:	HSD17B10
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HSD17B10 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	A synthesized peptide derived from human ERAB/HSD17B10
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

### Target Details

Target:	HSD17B10
Alternative Name:	HSD17B10 ( <a href="#">HSD17B10 Products</a> )
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

## Target Details

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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],17b-HSD10, ABAD, CAMR, DUPXp11.22, ERAB, HADH2, HCD2, MHBD, MRPP2, MRX17, MRX31, MRXS10, SCHAD, SDR5C1,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial metabolism\_Mitochondrial markers,Neurodegenerative Diseases,Neurodegenerative Diseases\_Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimers Disease,Neuroscience,HSD17B10

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Molecular Weight: 27 kDa

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Gene ID: 3028

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UniProt: [Q99714](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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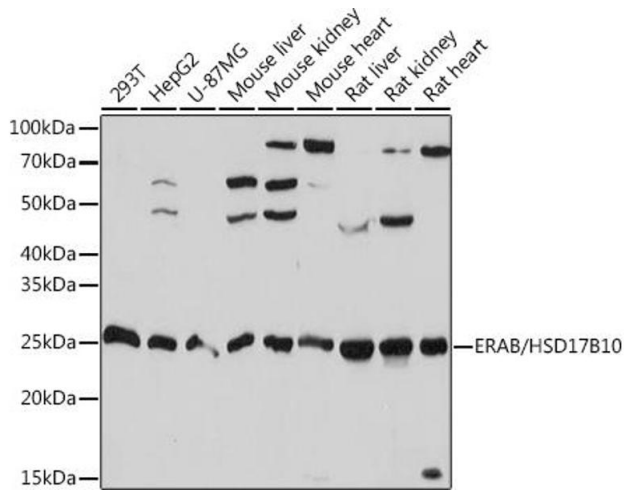
Handling Advice: Avoid freeze / thaw cycles

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Storage: -20 °C

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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using ERAB/HSD17B10 Rabbit mAb (ABIN1513420, ABIN3021162, ABIN3021163 and ABIN7101350) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.