# Mouse HSD17B10 Monoclonal Antibody | anti-HSD17B10 antibody

HSD17B10 antibody

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA106548** | **Mouse** | **Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay** |

## PRODUCT SYNONYMS

HSD17B10; Monoclonal Antibody; HSD17B10 antibody; Monoclonal HSD17B10; Anti-HSD17B10; Hydroxysteroid 17-beta dehydrogenase 10; ERAB; MRPP2; HADH2; ABAD; HSDB10 17; HSDB10-17; anti-HSD17B10 antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2b |
| **Clone Number** | 11A2 |
| **Purity/Purification** | HSD17B10 antibody was purified by affinity chromatography. |
| **Form/Format** | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration** | 500 ug-1 mg/ml (varies by lot) |
| **Sequence Length** | 261 |
| **Applicable Applications for anti-HSD17B10 antibody** | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry) |
| **Biological Significance** | HSD17B10 is a 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 fattyacids, 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). |
| **Cross-Reactivity** | Human |
| **Immunogen** | HSD17B10 antibody was raised in mouse using a full length recombinant protein of human HSD17B10 (NP_004484) produced in HEK293T cells, as the immunogen. |
| **Preparation and Storage** | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles. |

## IMAGES

**IF (Immunofluorescence)**
Immunofluorescent staining of COS7 cells transiently transfected with recombinant HSD17B10 protein using HSD17B10 antibody

**IHC (Immunohiostchemistry)**
Immunohistochemical analysis of HSD17B10 protein in paraffin embedded Human pancreas tissue using HSD17B10 antibody

**WB (Western Blot)**
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant HSD17B10 protein (Right) or empty vector (Left) detected with HSD17B10 antibody

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-HSD17B10 antibody** | Mouse monoclonal HSD17B10 antibody |
| **Product Categories/Family for anti-HSD17B10 antibody** | Proteases; Inhibitors; & Enzymes |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 4758504 |
| **NCBI GeneID** | 3028 |
| **NCBI Accession #** | NP_004484 |
| **NCBI GenBank Nucleotide #** | NM_004493.2 |
| **UniProt Accession #** | Q99714; Q5H927; Q6IBS9; Q8TCV9; Q96HD5 |
| **Molecular Weight** | 25,984 Da |
| **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 |
| **UniProt Protein Name** | 3-hydroxyacyl-CoA dehydrogenase type-2 |
| **UniProt Gene Name** | **HSD17B10** |
| **UniProt Synonym Gene Names** | ERAB; HADH2; MRPP2; SCHAD; SDR5C1; XH98G2; 17-beta-HSD 10; Mitochondrial RNase P protein 2 |
| **UniProt Entry Name** | HCD2_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/hsd17b10-antibody-clone-11a2-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106548