

Rabbit ERAB Polyclonal Antibody | anti-HSD17B10 antibody

ERAB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287312	Rabbit	Human, mouse, rat	Immunohistochemistry, ELISA, Western Blot

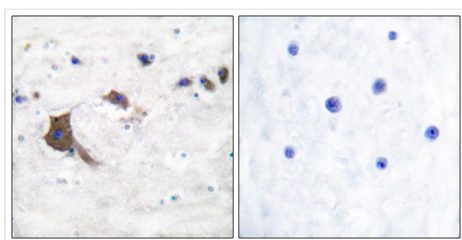
PRODUCT SYNONYMS

ERAB; Polyclonal Antibody; ERAB Antibody; 3-hydroxyacyl-CoA dehydrogenase type-2; 17-beta-hydroxysteroid dehydrogenase 10; 17-beta-HSD 10; 3-hydroxy-2-methylbutyryl-CoA dehydrogenase; 3-hydroxyacyl-CoA dehydrogenase type II; Endoplasmic reticulum-associated amyloid beta-peptide-binding protein; Mitochondrial ribonuclease P protein 2; Mitochondrial RNase P protein 2; Short-chain type dehydrogenase/reductase XH98G2; Type II HADH; HSD17B10; HADH2; MRPP2; SCHAD; XH98G2; anti-HSD17B10 antibody

PRODUCT SPECIFICATIONS

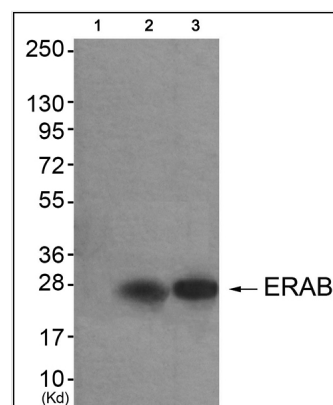
Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Positions	125-153
Sequence Length	252
Applicable Applications for anti-HSD17B10 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



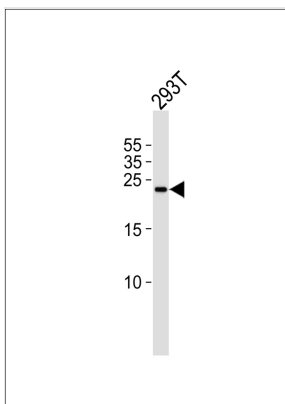
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human brain tissue using ERAB antibody.



WB (Western Blot)

Western blot analysis of extracts from A549 cells (Lane 2) and HeLa cells (Lane 3), using ERAB Antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)

Western blot analysis of lysates from 293T cell line, using ERAB Antibody(AAA287312). AAA287312 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35.

ADDITIONAL INFORMATION

Related Product Information for anti-HSD17B10 antibody	Functions in mitochondrial tRNA maturation. Part of mitochondrial ribonuclease P, an enzyme composed of MRPP1/TRMT10C, MRPP2/HSD17B10 and MRPP3/KIAA0391, which cleaves tRNA molecules in their 5'-ends. Catalyzes the beta-oxidation at position 17 of androgens and estrogens and has 3-alpha-hydroxysteroid dehydrogenase activity with androsterone. Catalyzes the third step in the beta-oxidation of fatty acids. Carries out oxidative conversions of 7-alpha-OH and 7-beta-OH bile acids. Also exhibits 20-beta-OH and 21-OH dehydrogenase activities with C21 steroids. By interacting with intracellular amyloid-beta, it may contribute to the neuronal dysfunction associated with Alzheimer disease (AD).
Product Categories/Family for anti-HSD17B10 antibody	Metabolism ; Neuroscience ; Signal Transduction
References	Yan S.D., et al. Nature 389:689-695(1997). Zhuchenko O.P., et al. Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases. Miller A.P., et al. Proc. Natl. Acad. Sci. U.S.A. 95:8709-8714(1998). He X.Y., et al. J. Biol. Chem. 273:10741-10746(1998). Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83715985
NCBI GeneID	3028
NCBI Accession #	NP_001032900.1
NCBI GenBank Nucleotide #	NM_001037811.2
UniProt Accession #	Q99714 ; Q5H927 ; Q6IBS9 ; Q8TCV9 ; Q96HD5
Molecular Weight	26923
NCBI Official Full Name	3-hydroxyacyl-CoA dehydrogenase type-2 isoform 2
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/erab-antibody-immunohistochemistry-western-blot-elisa/287312>