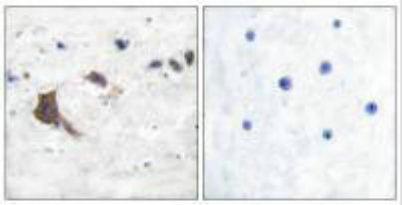
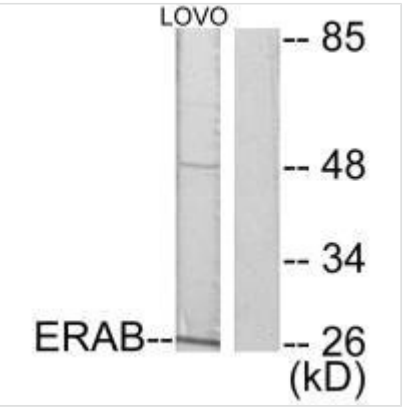
HSD17B10 Antibody

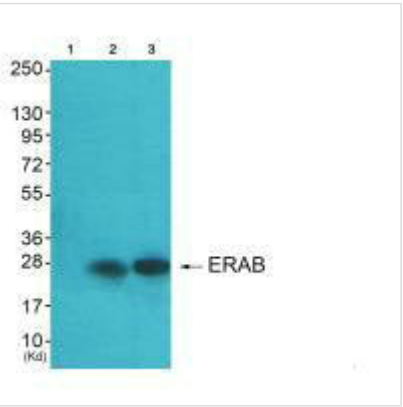
Product Code	CSB-PA909726
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q99714
Immunogen	Synthesized peptide derived from Human ERAB.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total ERAB protein.
Tested Applications	ELISA,WB,IHC;WB:1:500-1:3000,IHC:1:50-1:100
Relevance	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). Shi Du Yan, J. Biol. Chem., Jan 1999; 274: 2145. C Hansis, Eur. J. Biochem., Nov 1998; 258: 53. Xue-Ying He, Eur. J. Biochem., Sep 2001; 268: 4899. Natalie A. Sims, J. Clin. Invest., May 2003; 111: 1319.
Form	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	EC 1.1.1.35; 3-hydroxyacyl-CoA dehydrogenase type II; Type II HADH; 3-hydroxy-2-methylbutyryl-CoA dehydrogenase; EC 1.1.1.178
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	HSD17B10
Image	



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



Western blot analysis of extracts from LOVO cells, using ERAB antibody.



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