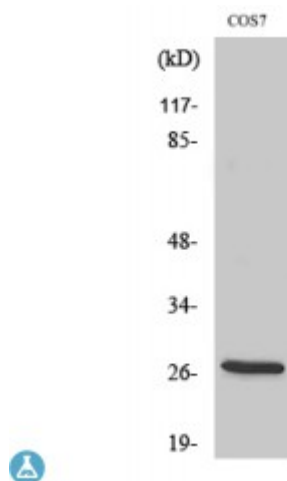


Anti-ERAB antibody



Description	Rabbit polyclonal to ERAB.
Model	STJ92970
Host	Rabbit
Reactivity	Human, Mouse, Rat, Simian
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human ERAB
Immunogen Region	80-160 aa, Internal
Gene ID	3028
Gene Symbol	HSD17B10
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	ERAB Polyclonal Antibody detects endogenous levels of ERAB protein.
Tissue Specificity	Ubiquitously expressed in normal tissues but is overexpressed in neurons affected in AD.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	3-hydroxyacyl-CoA dehydrogenase type-2 17-beta-hydroxysteroid dehydrogenase 10 17-beta-HSD 10 2-methyl-3-hydroxybutyryl-CoA dehydrogenase MHB 3-hydroxy-2-methylbutyryl-CoA dehydrogenase 3-hydroxyacyl-CoA dehydrogenase

Molecular Weight	27 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:48000 MIM:300256
Alternative Names	3-hydroxyacyl-CoA dehydrogenase type-2 17-beta-hydroxysteroid dehydrogenase 10 17-beta-HSD 10 2-methyl-3-hydroxybutyryl-CoA dehydrogenase MHBD 3-hydroxy-2-methylbutyryl-CoA dehydrogenase 3-hydroxyacyl-CoA dehydrogenase
Function	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).
Cellular Localization	Mitochondrion

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