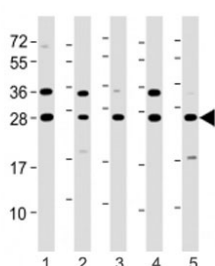


## ERAB Antibody / HSD17B10 (N-Terminal Region) (F54127)

Catalog No.	Formulation	Size
F54127-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54127-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q99714
<b>Applications</b>	Western Blot : 1:8000
<b>Limitations</b>	This ERAB antibody is available for research use only.



Western blot testing of ERAB antibody at 1:8000: Lane 1) human HeLa, 2) HepG2, 3) Jurkat, 4) K562 and 5) SH-SY5Y cell lysate. Predicted molecular weight ~27 kDa.

## Description

ERAB / HSD17B10 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). [UniProt]

## Application Notes

The stated application concentrations are suggested starting points. Titration of the ERAB antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 14-48 from human ERAB was used as the immunogen for the ERAB antibody.

## Storage

Aliquot the ERAB antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.