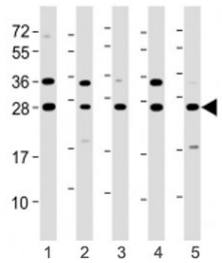
# ERAB Antibody / HSD17B10 (N-Terminal Region) (F54127)

| 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**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | Q99714 |
| **Applications** | WB: 1:8000 |
| **Limitations** | 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.


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