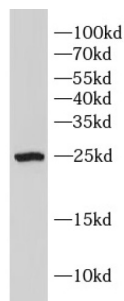
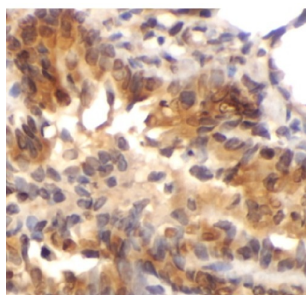


# Endoplasmic Reticulum-Associated Amyloid Beta-Peptide-Binding Protein (ERAB) Antibody

Catalogue No.: abx020130



WB analysis of 293T cells, using ERAB antibody (1/1000 dilution).



IHC-P analysis of rat lung tissue, using ERAB antibody (1/100 dilution).

Endoplasmic Reticulum-Associated Amyloid Beta-Peptide-Binding Protein (ERAB) Antibody is a Rabbit Polyclonal antibody for the detection of ERAB.

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).

**Target:** Endoplasmic Reticulum-Associated Amyloid Beta-Peptide-Binding Protein (ERAB)

**Clonality:** Polyclonal

**Reactivity:** Human, Mouse, Rat

**Tested Applications:** ELISA, WB, IHC

**Host:** Rabbit

**Recommended dilutions:** WB: 1/500 - 1/2000, IHC: 1/20 - 1/200, IP: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

# Datasheet

Version: 2.0.0  
Revision date: 23 Mar 2025



<b>Immunogen:</b>	hydroxysteroid(17-beta) dehydrogenase 10
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purity:</b>	≥ 95% (SDS-PAGE)
<b>Purification:</b>	Purified by immunogen affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>Validity:</b>	12 months.
<b>UniProt Primary AC:</b>	Q99714 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	HSD17B10
<b>GeneID:</b>	<a href="#">3028</a>
<b>OMIM:</b>	<a href="#">300256</a>
<b>HGNC:</b>	4800
<b>Ensembl:</b>	ENSG00000072506
<b>Molecular Weight:</b>	Observed MW: 27 kDa
<b>Buffer:</b>	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
<b>Concentration:</b>	2 mg/ml
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.