ERAB (HSD17B10) Rabbit Polyclonal Antibody

Product data:

- **Product Type:** Primary Antibodies
- **Applications:** IHC
- **Recommend Dilution:** WB 0.5-5 µg/ml ELISA N/A IP 2-5 µg/ml IHC 1-5 µg/ml FC Not tested
- **Reactivity:** Human
- **Host:** Rabbit
- **Isotype:** IgG
- **Clonality:** Polyclonal
- **Immunogen:** A synthetic peptide corresponding to aa 100-116 of human ERAB protein.
- **Formulation:** This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
- **Purification:** The Rabbit IgG is purified by Epitope Affinity Purification
- **Storage:** Store at -20°C as received.
- **Stability:** Stable for 12 months from date of receipt.
- **Predicted Protein Size:** 27 kDa
- **Gene Name:** hydroxysteroid (17-beta) dehydrogenase 10
- **Database Link:** NP_001032900 Entrez Gene 3028 Human
- **Background:** Mutations in several genes associated with early onset Alzheimer’s result in increased extracellular concentrations of the longer form of the beta-amyloid peptide Ab 1-42 relative to Ab 1-40. It is this longer form of Ab that has been shown to be toxic to neurons and may serve as a catalyst for the aggregation and deposition of Ab to produce the neurotoxic effects associated with senile plaque formation. Using the Ab peptide in a yeast two-hybrid screen, a novel interacting protein designated the endoplasmic reticulum-associated amyloid beta-peptide-binding protein (ERAB)/L-3-hydroxyacyl-CoA dehydrogenase type II has been identified. It is shown to be expressed at high levels in Alzheimer’s disease-affected brain. ERAB may contribute to neuronal dysfunction in Alzheimer’s disease.
- **Synonyms:** 17b-HSD10; ABAD; CAMR; DUPXp11.22; ERAB; HADH2; HCD2; MHBD; MRPP2; MRX17; MRX31; MRXS10; SCHAD
- **Protein Families:** Druggable Genome
Protein Pathways: Alzheimer's disease, Metabolic pathways, Valine, leucine and isoleucine degradation

Product images:

IHC: Human cerebellum stained with Anti-ERAB antibody at 1:50 dilution. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.