Product datasheet for AP13329PU-N

ERAB (HSD17B10) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies
Applications: IHC, WB
Recommend Dilution: ELISA: 1/1,000.
Western blotting: 1/100 - 1/500.
Immunohistochemistry: 1/50 - 1/100.

Reactivity: Human
Host: Rabbit
Isotype: Ig
Clonality: Polyclonal
Immunogen: This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human ABAD.
Specificity: This antibody reacts to ABAD.
Formulation: PBS with 0.09% (W/V) sodium azide
State: Purified
State: Liquid purified Ig
Concentration: lot specific
Purification: Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Stability: Shelf life: one year from despatch.
Gene Name: Homo sapiens hydroxysteroid 17-beta dehydrogenase 10 (HSD17B10), transcript variant 2
Database Link: Entrez Gene 3028 Human
Background: Amyloid b-peptide-binding alcohol dehydrogenase (ABAD) is a member of the family of short chain dehydrogenase/reductases; unique among this family, it binds amyloid b-peptide and exhibits enzymatic activity toward a wide variety of substrates including linear alcohols. In an amyloid beta-abundant environment, ABAD appears to trigger cell stress induced by the amyloid peptide.

Synonyms: HADH2, MRPP2, SCHAD, XH98G2, 17-beta-HSD10, Mitochondrial Marker
Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, Metabolic pathways, Valine, leucine and isoleucine degradation

Product images:

Western blot analysis of anti-ABAD Pab in mouse kidney tissue lysate. ABAD (arrow) was detected using the purified Pab.

Immunohistochemistry on Formalin-fixed and paraffin-embedded human prostate tissue. (Top) Coloration with the Anti-ABAD antibody at a 1:20 concentration. (Bottom) Antibody adsorbed to the antigen (peptide), negative control. Disappearance of cytoplasmic staining indicating the antibody is specific.