HSD17B10 Antibody

PACO40314

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IF, IP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000, IF:1:50-1:200, IP:1:200-1:2000

Protein Background:

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 acid, . Carries out oxidative conversions of 7-alpha-OH and 7-beta-OH bile acid, . 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).

Gene ID:

HSD17B10

Uniprot

Q99714

Synonyms:

3-hydroxyacyl-CoA dehydrogenase type-2 (EC 1.1.1.35) (17-beta-hydroxysteroid dehydrogenase 10) (17-beta-HSD 10) (EC 1.1.1.51) (2-methyl-3-hydroxybutyryl-CoA dehydrogenase) (MHBD) (3-hydroxy-2-methylbutyryl-CoA dehydrogenase) (EC 1.1.1.178) (3-hydroxyacyl-CoA dehydrogenase type II) (Endoplasmic reticulum-associated amyloid beta-peptide-binding protein)

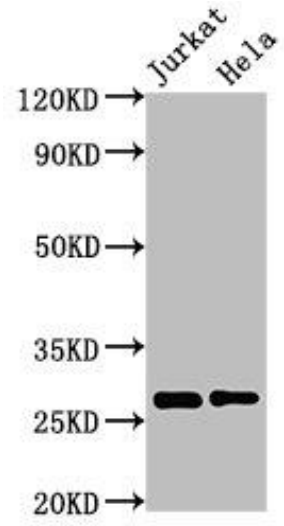
Immunogen:

Recombinant Human 3-hydroxyacyl-CoA dehydrogenase type-2 protein (2-261AA).

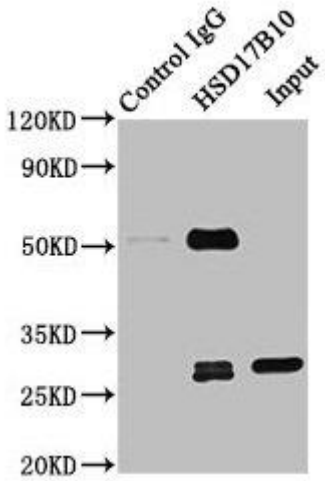
Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

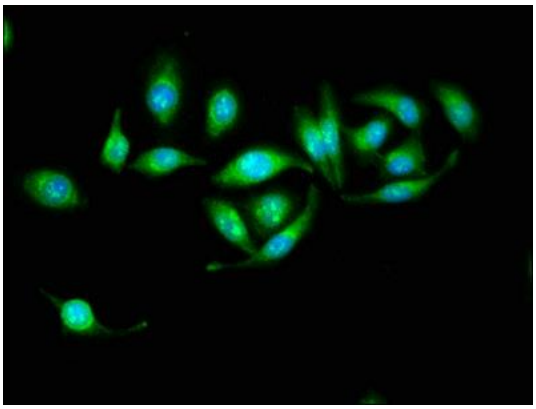
Product Images



Western Blot. Positive WB detected in: Jurkat whole cell lysate, Hela whole cell lysate. All lanes: HSD17B10 antibody at 3µg/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 27, 26 kDa. Observed band size: 27 kDa.



Immunoprecipitating HSD17B10 in 293T whole cell lysate. Lane 1: Rabbit control IgG instead of PACO40314 in 293T whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000). Lane 2: PACO40314 (8µg) + 293T whole cell lysate (500µg). Lane 3: 293T whole cell lysate (10µg).



Immunofluorescence staining of A549 cells with PACO40314 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).