HSD17B12 Antibody

PACO36158

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200

Protein Background:

Catalyzes the second of the four reactions of the long-chain fatty acid, elongation cycle. This endoplasmic reticulum-bound enzymatic process, allows the addition of two carbons to the chain of long- and very long-chain fatty acid, /VLCFAs per cycle. This enzyme has a 3-ketoacyl-CoA reductase activity, reducing 3-ketoacyl-CoA to 3-hydroxyacyl-CoA, within each cycle of fatty acid, elongation. Thereby, it may participate to the production of VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. May also catalyze the transformation of estrone (E1) into estradiol (E2) and play a role in estrogen formation.

Gene ID:

HSD17B12

Uniprot

Q53GQ0

Synonyms:

Very-long-chain 3-oxoacyl-CoA reductase (EC 1.1.1.330) (17-beta-hydroxysteroid dehydrogenase 12) (17-beta-HSD 12) (3-ketoacyl-CoA reductase) (KAR) (Estradiol 17-beta-dehydrogenase 12) (EC 1.1.1.62) (Short chain dehydrogenase/reductase family 12C member 1), HSD17B12, SDR12C1

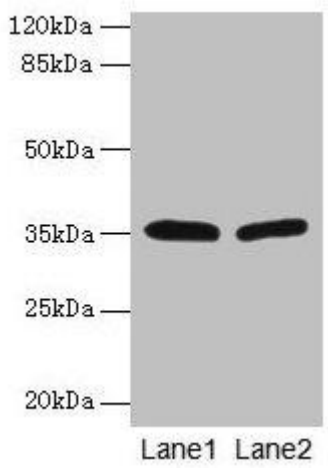
Immunogen:

Recombinant Human Very-long-chain 3-oxoacyl-CoA reductase protein (40-181AA).

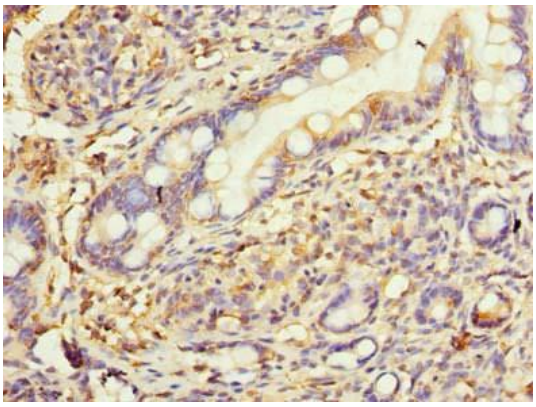
Storage:

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

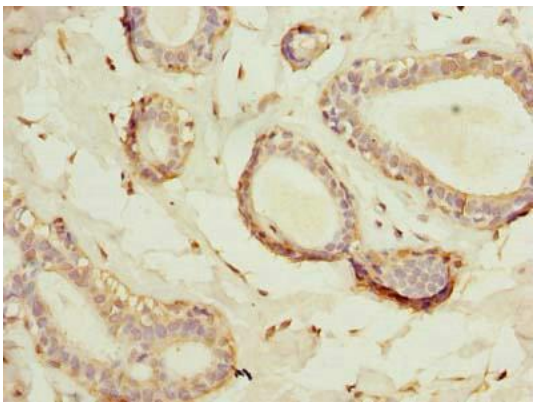
Product Images



Western blot. All lanes: HSD17B12 antibody at 1.2µg/ml. Lane 1: U251 whole cell lysate. Lane 2: A431 whole cell lysate. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 35, 11 kDa. Observed band size: 35 kDa.



Immunohistochemistry of paraffin-embedded human small intestine tissue using PACO36158 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human breast cancer using PACO36158 at dilution of 1:100.