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Datasheet for ABIN7175449
anti-HSD17B12 antibody (AA 40-181)

4 Images

Overview

Quantity:	100 µg
Target:	HSD17B12
Binding Specificity:	AA 40-181
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD17B12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Very-long-chain 3-oxoacyl-CoA reductase protein (40-181AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	HSD17B12
Alternative Name:	HSD17B12 (HSD17B12 Products)
Background:	Background: Catalyzes the second of the four reactions of the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process, allows the addition of two

Target Details

carbons to the chain of long- and very long-chain fatty acids/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.

Aliases: 12,3-ketoacyl-CoA reductase,short chain antibody, 17 beta HSD 12 antibody, 17 beta hydroxysteroid dehydrogenase 12 antibody, 17-@beta-HSD XII antibody, 17-@beta-hydroxysteroid dehydrogenase XII antibody, 17-beta-HSD 12 antibody, 17-beta-hydroxysteroid dehydrogenase 12 antibody, 17beta HSD type 12 antibody, 3 ketoacyl CoA reductase antibody, 3-ketoacyl-CoA reductase antibody, DHB12_HUMAN antibody, Estradiol 17 beta dehydrogenase 12 antibody, Estradiol 17-beta-dehydrogenase 12 antibody, HSD17B12 antibody, Hydroxysteroid (17-beta) dehydrogenase 12 antibody, KAR antibody, KIK-I antibody, Kik1 antibody, SDR12C1 antibody, Short chain dehydrogenase/reductase family 12C member 1 antibody, Steroid dehydrogenase homolog antibody

UniProt: [Q53GQ0](#)

Pathways: [Steroid Hormone Biosynthesis](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

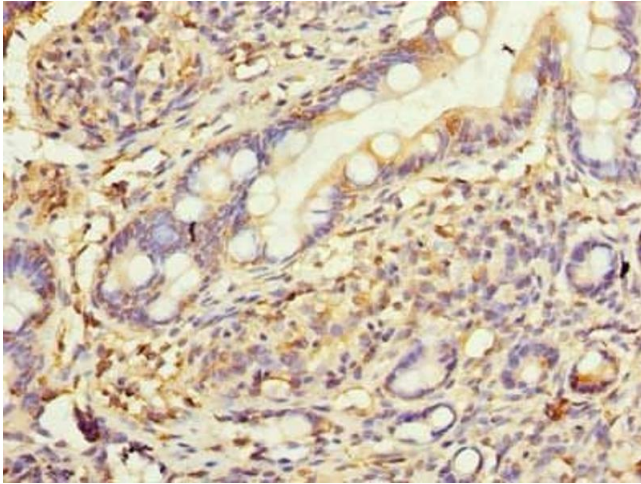
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

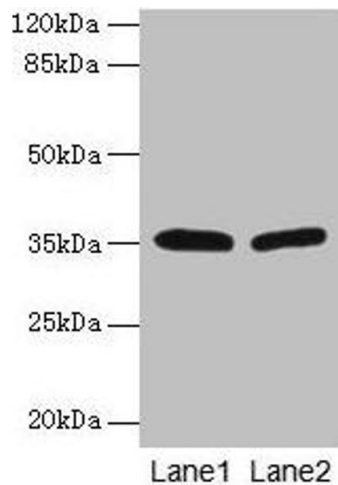
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



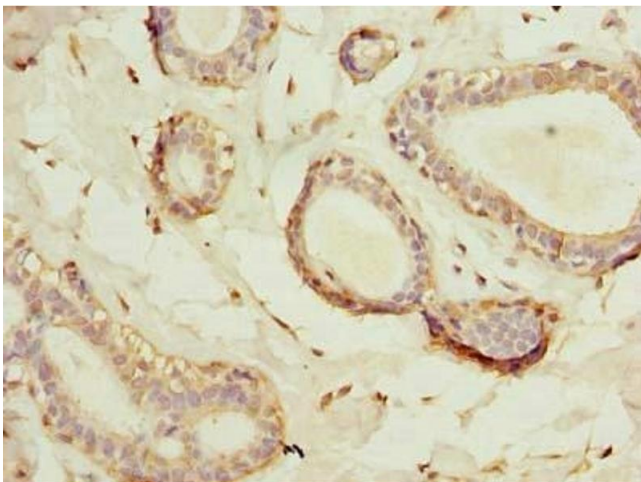
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7175449 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: HSD17B12 antibody at 1.2 µg/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

Image 3. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7175449 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7175449.