

### 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 third 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 catalyzes the dehydration of the 3-hydroxyacyl-CoA intermediate into trans-2,3-enoyl-CoA, within each cycle of fatty acid, elongation. Thereby, it participates to the production of VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators.

**Gene ID:**

HACD2

**Uniprot**

Q6Y1H2

**Synonyms:**

Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 2 (EC 4.2.1.134) (3-hydroxyacyl-CoA dehydratase 2) (HACD2) (Protein-tyrosine phosphatase-like member B), HACD2, PTPLB

**Immunogen:**

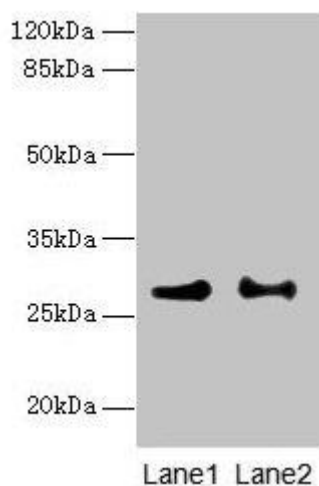
Recombinant Human Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 2 protein (7-41AA).

**Storage:**

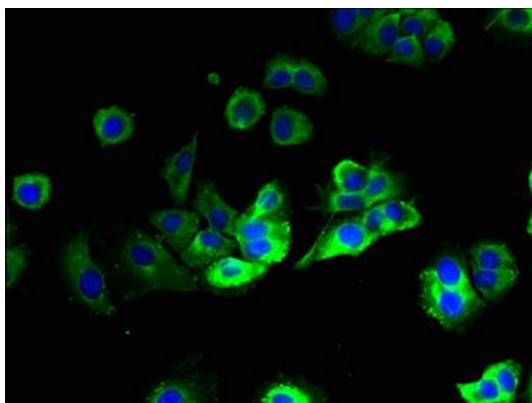
Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

## Product Images

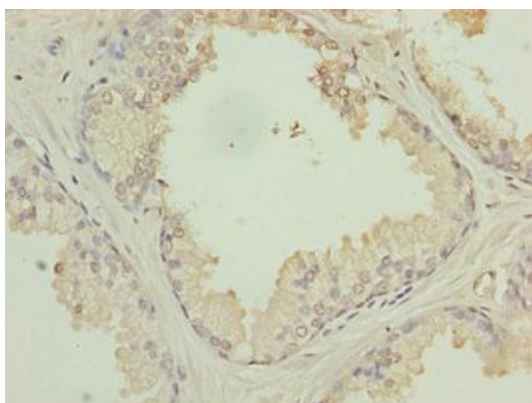
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Western blot. All lanes: HACD2 antibody at 4 $\mu$ g/ml. Lane 1: MCF-7 whole cell lysate. Lane 2: LO2 whole cell lysate. Secondary. Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 29 kDa. Observed band size: 29 kDa.



Immunofluorescent analysis of MCF-7 cells using PACO37102 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry of paraffin-embedded human prostate cancer using PACO37102 at dilution of 1:100.