

Datasheet for ABIN7175441  
**anti-PTPLB antibody (AA 7-41)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	PTPLB
Binding Specificity:	AA 7-41
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPLB antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 2 protein (7-41AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	PTPLB
Alternative Name:	HACD2 ( <a href="#">PTPLB Products</a> )
Background:	Background: Catalyzes the third 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 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.

Aliases: 3 hydroxyacyl CoA dehydratase 2 antibody, 3-hydroxyacyl-CoA dehydratase 2 antibody, HACD2 antibody, HACD2\_HUMAN antibody, Protein tyrosine phosphatase like (proline instead of catalytic arginine) member b antibody, Protein tyrosine phosphatase like member B antibody, Protein-tyrosine phosphatase-like member B antibody, PTPLB antibody, Very-long-chain (3R)-3-hydroxyacyl-[acyl-carrier protein] dehydratase 2 antibody

UniProt: [Q6Y1H2](#)

## 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

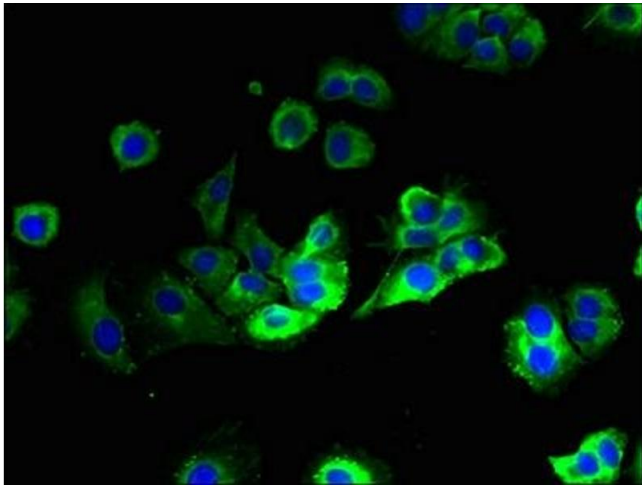
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

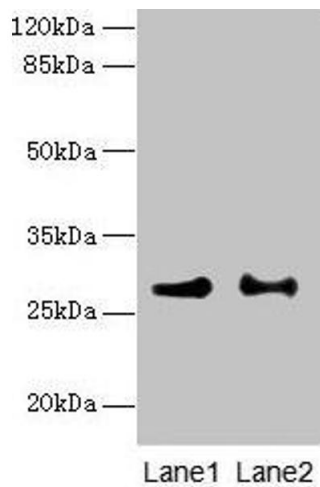
Storage: -20 °C,-80 °C

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



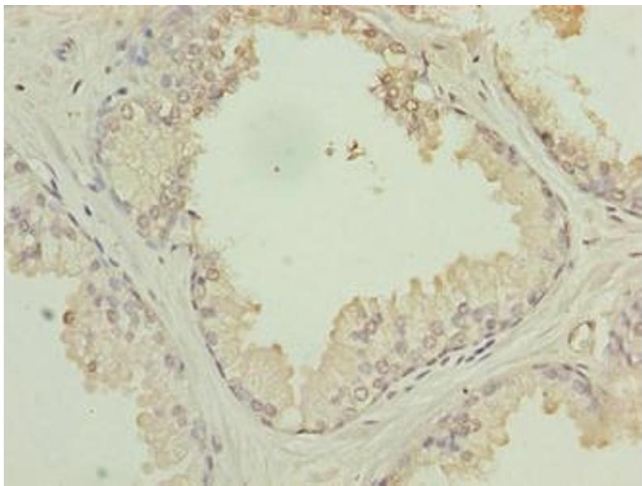
### Immunofluorescence

**Image 1.** Immunofluorescent analysis of MCF-7 cells using ABIN7175441 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



### Western Blotting

**Image 2.** 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



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human prostate cancer using ABIN7175441 at dilution of 1:100