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Datasheet for ABIN7175446

**anti-PTPLAD1 antibody (AA 1-145) (Biotin)**

## Overview

Quantity:	100 µg
Target:	PTPLAD1
Binding Specificity:	AA 1-145
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPLAD1 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3 protein (1-145AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	PTPLAD1
Alternative Name:	HACD3 ( <a href="#">PTPLAD1 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 in the production of VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. May be involved in Rac1-signaling pathways leading to the modulation of gene expression. Promotes insulin receptor/INSR autophosphorylation and is involved in INSR internalization (PubMed:25687571).

Aliases: HACD3 antibody, BIND1 antibody, PTPLAD1 antibody, Very-long-chain antibody, 3R)-3-hydroxyacyl-CoA dehydratase 3 antibody, EC 4.2.1.134 antibody, 3-hydroxyacyl-CoA dehydratase 3 antibody, HACD3 antibody, Butyrate-induced protein 1 antibody, B-ind1 antibody, hB-ind1 antibody, Protein-tyrosine phosphatase-like A domain-containing protein 1 antibody

UniProt: [Q9P035](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

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.