

Recombinant Human PNPLA2 293 Cell Lysate

Cat. No. PNPLA2-3069HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for patatin-like phospholipase domain containing 2 (PNPLA2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PNPLA2 patatin-like phospholipase domain containing 2 [Homo sapiens]

Official Symbol

PNPLA2

Synonyms

PNPLA2; patatin-like phospholipase domain containing 2; patatin-like phospholipase domain-containing protein 2; ATGL; desnutrin; FP17548; TTS 2.2; TTS2.2; IPLA2-zeta; triglyceride hydrolase; adipose triglyceride lipase; transport-secretion protein 2.2; pigment epithelium-derived factor; calcium-independent phospholipase A2; TTS2; PEDF-R; TTS-2.2; 1110001C14Rik; DKFZp667M109;

Gene ID

57104

mRNA Refseq

NM_020376

Protein Refseq

NP_065109

MIM

609059

UniProt ID

Q96AD5

**Chromosome
Location**

11p15.5

Pathway

Fatty Acid Beta Oxidation, organism-specific biosystem; Triacylglyceride Synthesis, organism-specific biosystem; triacylglycerol degradation, organism-specific

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biosystem;

Function

hydrolase activity; retinyl-palmitate esterase activity; triglyceride lipase activity;

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