

Rabbit PNPLA3 Polyclonal Antibody | anti-PNPLA3 antibody

PNPLA3 Antibody BIOTIN-Conjugated

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76022	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, ELISA

PRODUCT SYNONYMS

PNPLA3; Polyclonal Antibody; PNPLA3 Antibody BIOTIN-Conjugated; Acylglycerol O acyltransferase; Adiponutrin; ADPN; C22orf20; Calcium independent phospholipase A2 epsilon; IPLA2-epsilon; Patatin like phospholipase domain containing 3; patatin like phospholipase domain containing protein 3; phospholipase A2; calcium independent; epsilon antibody; anti-PNPLA3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	BIOTIN-Conjugated Immunoglobulins
Concentration	0.72 mg/ml IgG in antibody stabilization buffer (varies by lot)
Sequence Length	481
Applicable Applications for anti-PNPLA3 antibody	WB (Western Blot), IP (Immunoprecipitation), ELISA
Immunogen	Synthetic peptide taken within amino acid region 150-200 on human Patatin-like phospholipase domain-containing protein 3.
Expression	By changes in energy balance: down-regulated following very low-calorie diet, whereas refeeding elevates the mRNA level.
Molecular Function	Phospholipase A2 Activity; Lipid degradation and metabolism; Acyltransferase; Hydrolase; Transferase
Structure	Contains 1 patatin domain
Subcellular Location	Membrane; Single-pass type II membrane protein
Preparation and Storage	-20° degree C for long term storage

IMAGES



WB (Western Blot)

WB of PNPLA3 antibody with: A. Rat liver B. Mouse kidney Antibody dilution 1:500 in DiluOBuffer™. Apparent MW of PNPLA3 in rat liver is 58 kDa. Apparent MW of PNPLA3 in mouse kidney is 52 kDa. Dilutions are for reference only. Applications not listed above are not necessarily precluded from working with this antibody. Investigators intending to use an application that has not been verified can request a complimentary sample.

ADDITIONAL INFORMATION

Related Product Information for anti-PNPLA3 antibody	PNPLA3 Antibody BIOTIN BIOTIN-Conjugated Patatin-like phospholipase domain-containing protein 3 Antibody Overview:Patatin-like Phospholipase Domain Containing protein 3 (PNPLA3) is an enzyme that acts as a triacylglycerollipase. The PNPLA3 activity mediates triacylglycerol hydrolysis in adipocytes (1). A non synonymous polymorphism in PNPLA3 that is strongly associated with hepatic fat content and with elevated serum levels of alanine aminotransferase and aspartate amino transferase have been identified (2). PNPLA3 genetic variation may contribute to ancestry-related an inter-individual differences in hepatic fat content and susceptibility to NAFLD (3). The PNPLA3-selective antibodies were generated against a synthetic peptide taken within amino acid region 150-200 on human Patatin-like phospholipase domain-containing protein 3. The PNPLA3 synthetic peptide was covalently modified to achieve desired antigenic properties and was conjugated to a carrier protein before used as immunogen to raise antibodies in rabbits. The PNPLA3 antibodies are affinity purified over immobilized immunogenic peptide affinity matrix and stabilized with preservatives for long-term storage.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32469599
NCBI GeneID	80339
UniProt Accession #	Q9NST1; Q6P1A1; Q96CB4; B0QYI0; B2RCL3; B3KW00
NCBI Official Full Name	Patatin-like phospholipase domain-containing protein 3
NCBI Official Synonym Full Names	patatin like phospholipase domain containing 3
NCBI Official Symbol	PNPLA3
NCBI Official Synonym Symbols	ADPN; C22orf20; iPLA(2)epsilon
NCBI Protein Information	patatin-like phospholipase domain-containing protein 3
UniProt Protein Name	Patatin-like phospholipase domain-containing protein 3
UniProt Gene Name	PNPLA3
UniProt Synonym Gene Names	ADPN; C22orf20; iPLA2-epsilon
UniProt Entry Name	PLPL3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.