

## ARG66868 anti-PNPLA3 / Adiponutrin antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PNPLA3 / Adiponutrin
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PNPLA3 / Adiponutrin
Species	Human
Immunogen	Recombinant full-length protein of Human PNPLA3 / Adiponutrin.
Conjugation	Un-conjugated
Alternate Names	ADPN; Calcium-independent phospholipase A2-epsilon; iPLA(2)epsilon; Adiponutrin; Patatin-like phospholipase domain-containing protein 3; iPLA2-epsilon; EC 2.3.1.-; C22orf20; EC 3.1.1.3; Acylglycerol O-acyltransferase

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 110 kDa	

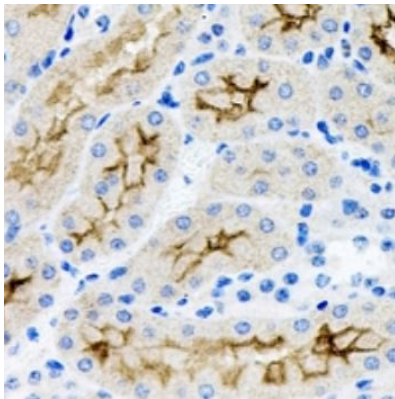
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

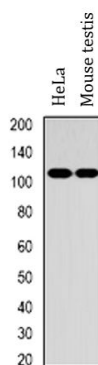
Gene Symbol	PNPLA3
Gene Full Name	patatin-like phospholipase domain containing 3
Background	The protein encoded by this gene is a triacylglycerol lipase that mediates triacylglycerol hydrolysis in adipocytes. The encoded protein, which appears to be membrane bound, may be involved in the balance of energy usage/storage in adipocytes. [provided by RefSeq, Jul 2008]
Function	Specifically catalyzes coenzyme A (CoA)-dependent acylation of 1-acyl-sn-glycerol 3-phosphate (2-lysophosphatidic acid/LPA) to generate phosphatidic acid (PA), an important metabolic intermediate and precursor for both triglycerides and glycerophospholipids. Does not esterify other lysophospholipids. Acyl donors are long chain (at least C16) fatty acyl-CoAs: arachidonoyl-CoA, linoleoyl-CoA, oleoyl-CoA and at a lesser extent palmitoyl-CoA (PubMed:22560221). Additionally possesses low triacylglycerol lipase and CoA-independent acylglycerol transacylase activities and thus may play a role in acyl-chain remodeling of triglycerides (PubMed:15364929, PubMed:20034933, PubMed:22560221). [UniProt]
Calculated Mw	53 kDa
Cellular Localization	Membrane; Single-pass type II membrane protein. [UniProt]

## Images



ARG66868 anti-PNPLA3 / Adiponutrin antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human kidney tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The section was stained with ARG66868 anti-PNPLA3 / Adiponutrin antibody at room temperature.



ARG66868 anti-PNPLA3 / Adiponutrin antibody WB image

Western blot: HeLa and Mouse testis lysates stained with ARG66868 anti-PNPLA3 / Adiponutrin antibody.