

## 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	

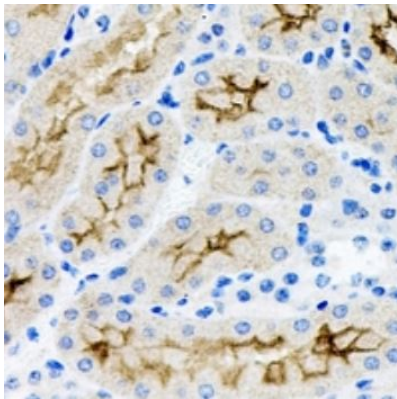
### Properties

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

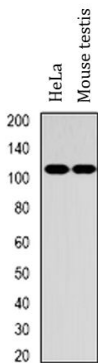
Gene Symbol	PNPLA3
Gene Full Name	patatin-like phospholipase domain containing 3
Background	The protein encoded by this gene is a triacylglycerol lipase that mediates triacylglycerol hydrolysis in adipocytes. The encoded protein, which appears to be membrane bound, may be involved in the balance of energy 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.