

ARG64154 anti-PNPLA2 / ATGL antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PNPLA2 / ATGL
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	IHC-P, WB
Specificity	Please note this antibody was designed using the Mouse sequence NP_080078.1, which differs by 2 amino acids from the Human sequence NP_065109.1.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PNPLA2 / ATGL
Species	Human
Immunogen	C-NIIEVSKEARKR
Conjugation	Un-conjugated
Alternate Names	Transport-secretion protein 2; Pigment epithelium-derived factor; TTS2.2; FP17548; 1110001C14Rik; TTS2; PEDF-R; IPLA2-zeta; ATGL; Calcium-independent phospholipase A2; TTS-2.2; Patatin-like phospholipase domain-containing protein 2; iPLA2zeta; Desnutrin; Adipose triglyceride lipase; EC 3.1.1.3

Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 3 µg/ml
	WB	0.5 - 2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
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 or below. 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

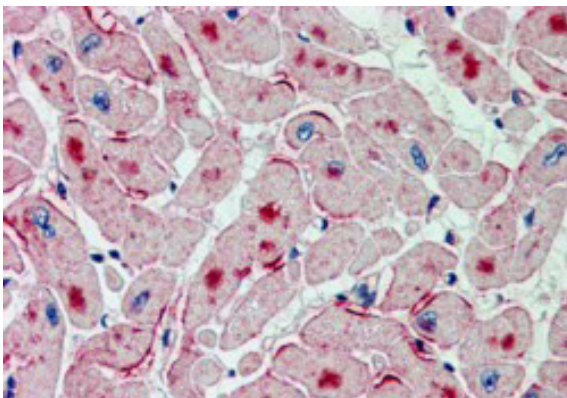
Database links	GeneID: 57104 Human Swiss-port # Q96AD5 Human
Background	This gene encodes an enzyme which catalyzes the first step in the hydrolysis of triglycerides in adipose tissue. Mutations in this gene are associated with neutral lipid storage disease with myopathy. [provided by RefSeq, Jul 2010]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	55 kDa
PTM	Phosphorylation at Ser-404 by PKA is increased during fasting and moderate intensity exercise, and moderately increases lipolytic activity (By similarity). Phosphorylation at Ser-404 is increased upon beta-adrenergic stimulation.

Images



ARG64154 anti-PNPLA2 / ATGL antibody WB image

Western blot: Human Adipose lysate (35 µg protein in RIPA buffer) stained with ARG64154 anti-PNPLA2 / ATGL antibody at 0.5 µg/ml dilution.



ARG64154 anti-PNPLA2 / ATGL antibody IHC-P image

Immunohistochemistry: Paraffin embedded Human Heart. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64154 anti-PNPLA2 / ATGL antibody at 2.5 µg/ml dilution followed by AP-staining.