

For Research Use Only

ATGL Polyclonal antibody

Catalog Number: 55190-1-AP

Featured Product

47 Publications



Basic Information

Catalog Number:

55190-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_020376

GeneID (NCBI):

57104

UNIPROT ID:

Q96AD5

Full Name:

patatin-like phospholipase domain containing 2

Calculated MW:

55 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

WB, IP, IF, IHC, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, chicken, rat, sheep, mouse, pig

Positive Controls:

WB: 3T3-L1 cells, A431 cells, HeLa cells, mouse heart tissue, mouse testis tissue, human heart tissue, rat heart tissue, mouse skeletal muscle tissue, rat skeletal muscle tissue

IP: mouse testis tissue,

Background Information

ATGL, also named as PNPLA2, TTS2 and Desnutrin, catalyzes the initial step in triglyceride hydrolysis in adipocyte and non-adipocyte lipid droplets. It also has acylglycerol transacylase activity. ATGL may act coordinately with LIPE/HLS within the lipolytic cascade. It regulates adiposome size and may be involved in the degradation of adiposomes. May play an important role in energy homeostasis. Defects in ATGL are the cause of neutral lipid storage disease with myopathy (NLSDM). This antibody is specific to ATGL.

Notable Publications

Author	Pubmed ID	Journal	Application
Binbin Zhou	36169888	Mol Neurobiol	WB
Yuzuru Iizuka	34588391	Exp Anim	WB
Zhao Yang	36120828	J Biochem Mol Toxicol	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.com

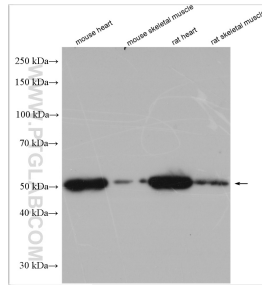
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

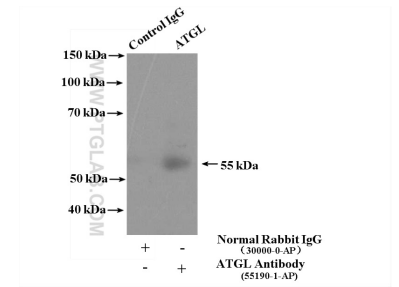
Selected Validation Data



3T3-L1 cells were subjected to SDS PAGE followed by western blot with 55190-1-AP (ATGL antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 55190-1-AP (ATGL antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP result of anti-ATGL (IP:55190-1-AP, 4ug; Detection:55190-1-AP 1:500) with mouse testis tissue lysate 4000ug.