

For Research Use Only

# ATGL Polyclonal antibody

Catalog Number: 55190-1-AP

Featured Product

44 Publications



## Basic Information

<b>Catalog Number:</b> 55190-1-AP	<b>GenBank Accession Number:</b> NM_020376	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57104	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> patatin-like phospholipase domain containing 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 55 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

**Tested Applications:**  
IP, WB, ELISA

**Cited Applications:**  
CoIP, IF, IHC, IP, WB

**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

\*\*\* 20ul sizes contain 0.1% BSA

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

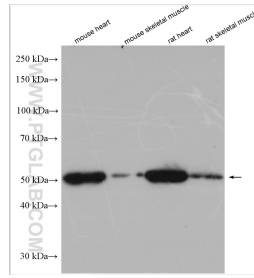
E: proteintech@ptglab.com  
W: ptglab.com

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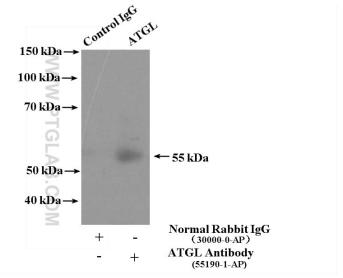
## Selected Validation Data



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.