

For Research Use Only

# LYPLA1 Polyclonal antibody

Catalog Number: 16055-1-AP

9 Publications



## Basic Information

Catalog Number:

16055-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9022

GenBank Accession Number:

BC010397

GeneID (NCBI):

10434

UNIPROT ID:

O75608

Full Name:

lysophospholipase I

Calculated MW:

230 aa, 25 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HeLa cells, mouse brain tissue, human brain tissue, human liver tissue, rat liver tissue, rat brain tissue

IP : mouse brain tissue,

IHC : mouse brain tissue,

IF/ICC : HeLa cells,

## Background Information

LYPLA1(Lysophospholipase 1) is also named as APT1(Acyl-protein thioesterase 1), LPL1 and belongs to the AB hydrolase 2 family. It is an important enzyme responsible for depalmitoylation of palmitoyl proteins and works as a thioesterase that cleaves the S-palmitoyl group of H-Ras, heterotrimeric G protein alpha subunit (Ga), regulator of G protein signaling 4 (RGS4) and the endothelial isoform of nitric oxide synthase (eNOS) in vitro(PMID:19439193).

## Notable Publications

Author	Pubmed ID	Journal	Application
Liwei Yang	34624536	Ecotoxicol Environ Saf	WB
Kumiko Koyama	24682756	Drug Metab Dispos	IHC
Megan Garland	29364904	PLoS One	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

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:

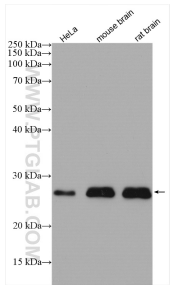
T: 4006900926

E: Proteintech-CN@ptglab.com

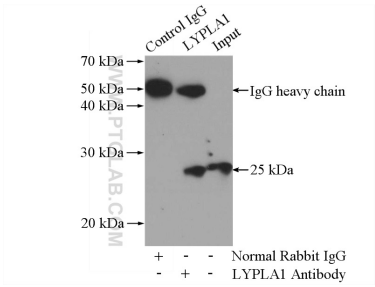
W: ptgcn.com

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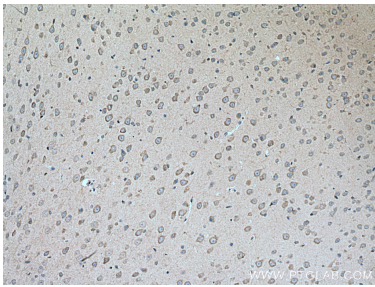
Selected Validation Data



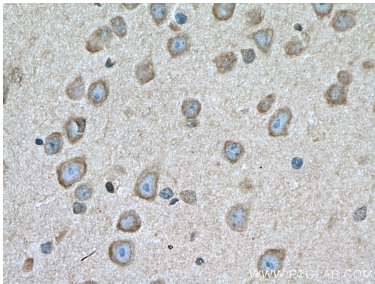
Various lysates were subjected to SDS PAGE followed by western blot with 16055-1-AP (LYPLA1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



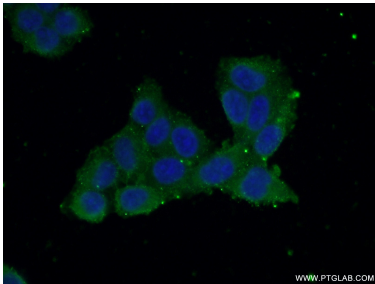
IP result of anti-LYPLA1 (IP:16055-1-AP, 4ug; Detection:16055-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16055-1-AP (LYPLA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16055-1-AP (LYPLA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 16055-1-AP (LYPLA1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).