

LYPL1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13955c**Specification**

LYPL1 Antibody (Center) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	Q5VWZ2
Other Accession	NP_620149.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	26316
Antigen Region	88-117

LYPL1 Antibody (Center) - Additional Information**Gene ID** 127018**Other Names**

Lysophospholipase-like protein 1, 312-, LYPLAL1

Target/Specificity

This LYPL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 88-117 amino acids from the Central region of human LYPL1.

Dilution

FC~~1:10~50

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LYPL1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

LYPL1 Antibody (Center) - Protein Information**Name** LYPLAL1 {ECO:0000303|PubMed:37802025, ECO:0000312|HGNC:HGNC:20440}

Function Palmitoyl thioesterase that catalyzes depalmitoylation of CGAS and KCNMA1 (PubMed:[22052940](#), PubMed:[22399288](#), PubMed:[37802025](#)). Acts as a regulator of innate immunity by mediating depalmitoylation of CGAS, thereby preventing CGAS homodimerization and cyclic GMP-AMP synthase activity (PubMed:[37802025](#)). Does not exhibit phospholipase nor triacylglycerol lipase activity, able to hydrolyze only short chain substrates due to its shallow active site (PubMed:[22052940](#)).

Cellular Location

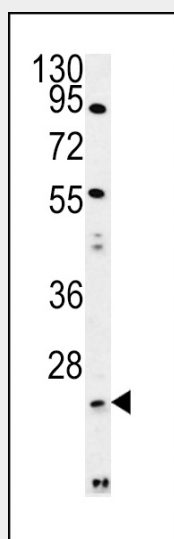
[Isoform 1]: Cytoplasm, cytosol

LYPL1 Antibody (Center) - Protocols

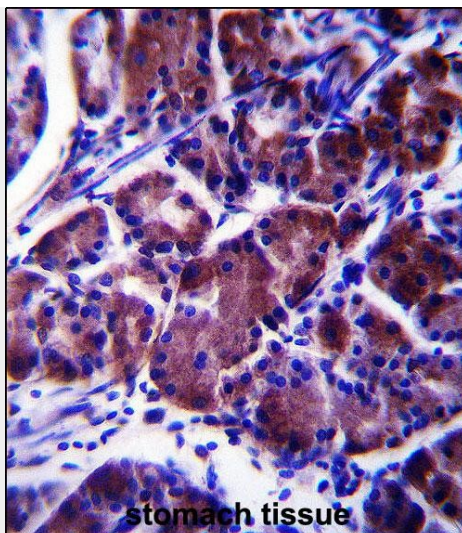
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

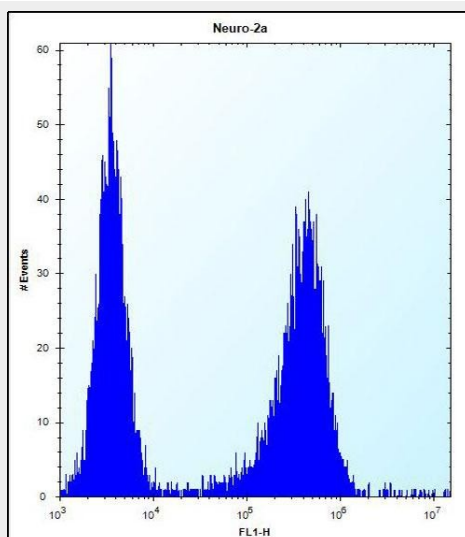
LYPL1 Antibody (Center) - Images



LYPL1 Antibody (Center) (Cat. #AP13955c) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the LYPL1 antibody detected the LYPL1 protein (arrow).



LYPL1 Antibody (Center) (Cat. #AP13955c) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of LYPL1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



LYPL1 Antibody (Center) (Cat. #AP13955c) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

LYPL1 Antibody (Center) - Background

The exact function of this protein remains unknown.

LYPL1 Antibody (Center) - References

Hotta, K., et al. J. Hum. Genet. (2010) In press :
Lindgren, C.M., et al. PLoS Genet. 5 (6), E1000508 (2009) :
David, D., et al. Genomics 81(5):489-503(2003)