10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LYPL1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13955c

Specification

LYPL1 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q5VWZ2

LYPL1 Antibody (Center) Blocking peptide - Additional Information

Gene ID 127018

Other Names
Lysophospholipase-like protein 1, 312-, LYPLAL1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13955c was selected from the Center region of LYPL1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LYPL1 Antibody (Center) Blocking peptide - 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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LYPL1 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

LYPL1 Antibody (Center) Blocking peptide - Images

LYPL1 Antibody (Center) Blocking peptide - Background

The exact function of this protein remains unknown.

LYPL1 Antibody (Center) Blocking peptide - 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)