

LIPI Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20877a

Specification

LIPI Antibody (Center) - Product Information

Application WB,E
Primary Accession Q6XZB0
Reactivity Human
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 52922

LIPI Antibody (Center) - Additional Information

Gene ID 149998

Other Names

Lipase member I, LIPI, 311-, Cancer/testis antigen 17, CT17, LPD lipase, Membrane-associated phosphatidic acid-selective phospholipase A1-beta, mPA-PLA1 beta, LIPI, LPDL

Target/Specificity

This LIPI antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 224-258 amino acids from the Central region of human LIPI.

Dilution

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

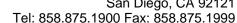
LIPI Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

LIPI Antibody (Center) - Protein Information

Name LIPI

Synonyms LPDL







Function Hydrolyzes specifically phosphatidic acid (PA) to produce 2- acyl lysophosphatidic acid (LPA; a potent bioactive lipid mediator) and fatty acid. Does not hydrolyze other phospholipids, like phosphatidylserine (PS), phosphatidylcholine (PC) and phosphatidylethanolamine (PE) or triacylglycerol (TG).

Cellular Location

[Isoform 1]: Cell membrane. Secreted Note=May associate with lipid draft.

Tissue Location

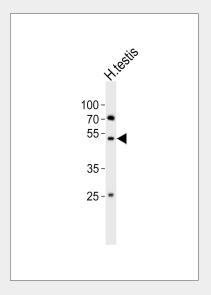
Expressed in testis. Expressed exclusively at the connecting piece of the sperm.

LIPI 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 Cytomety
- Cell Culture

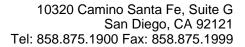
LIPI Antibody (Center) - Images



Western blot analysis of lysate from human testis tissue lysate, using LIPI Antibody (Center)(Cat. #AP20877a). AP20877a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

LIPI Antibody (Center) - Background

Hydrolyzes specifically phosphatidic acid (PA) to produce 2-acyl lysophosphatidic acid (LPA; a potent bioactive lipid mediator) and fatty acid. Does not hydrolyze other phospholipids, like phosphatidylserine (PS), phosphatidylcholine (PC) and phosphatidylethanolamine (PE) or triacylglycerol (TG).





LIPI Antibody (Center) - References

Hiramatsu T.,et al.J. Biol. Chem. 278:49438-49447(2003). Wen X.-Y.,et al.Hum. Mol. Genet. 12:1131-1143(2003). Hattori M.,et al.Nature 405:311-319(2000).