

PLD4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17640a

Specification

PLD4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O96BZ4
Other Accession	NP_620145.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55626
Antigen Region	50-76

PLD4 Antibody (N-term) - Additional Information

Gene ID 122618

Other Names

Phospholipase D4, PLD 4, Choline phosphatase 4, Phosphatidylcholine-hydrolyzing phospholipase D4, PLD4, C14orf175

Target/Specificity

This PLD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-76 amino acids from the N-terminal region of human PLD4.

Dilution

WB~~1:1000

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

PLD4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PLD4 Antibody (N-term) - Protein Information

Name PLD4

Synonyms C14orf175

Function 5'→3' DNA exonuclease which digests single-stranded DNA (ssDNA). Regulates inflammatory cytokine responses via the degradation of nucleic acids, by reducing the concentration of ssDNA able to stimulate TLR9, a nucleotide-sensing receptor. Involved in phagocytosis of activated microglia.

Cellular Location

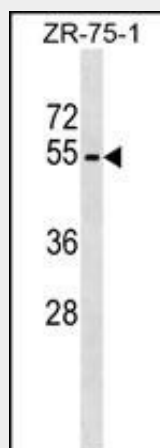
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8BG07}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q8BG07}. Golgi apparatus, trans-Golgi network membrane {ECO:0000250|UniProtKB:Q8BG07}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q8BG07}. Nucleus {ECO:0000250|UniProtKB:Q8BG07}. Early endosome {ECO:0000250|UniProtKB:Q8BG07}. Cytoplasmic vesicle, phagosome {ECO:0000250|UniProtKB:Q8BG07}. Note=Activation of microglia induces translocation of PLD4 from the nucleus to the phagosomes {ECO:0000250|UniProtKB:Q8BG07}

PLD4 Antibody (N-term) - 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](#)

PLD4 Antibody (N-term) - Images



PLD4 Antibody (N-term) (Cat. #AP17640a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the PLD4 antibody detected the PLD4 protein (arrow).

PLD4 Antibody (N-term) - References

- Tao, W.A., et al. Nat. Methods 2(8):591-598(2005)
Tao, W.A., et al. Nat. Methods 2(8):591-598(2005)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)