

PLD4 / Phospholipase D4 Antibody (aa457-506)
Rabbit Polyclonal Antibody
Catalog # ALS15743

Specification

PLD4 / Phospholipase D4 Antibody (aa457-506) - Product Information

Application	IHC, WB
Primary Accession	Q96BZ4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56kDa KDa

PLD4 / Phospholipase D4 Antibody (aa457-506) - Additional Information

Gene ID 122618

Other Names

Phospholipase D4, PLD 4, 3.1.4.4, Choline phosphatase 4, Phosphatidylcholine-hydrolyzing phospholipase D4, PLD4, C14orf175

Target/Specificity

PLD4 Antibody detects endogenous levels of total PLD4 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

PLD4 / Phospholipase D4 Antibody (aa457-506) is for research use only and not for use in diagnostic or therapeutic procedures.

PLD4 / Phospholipase D4 Antibody (aa457-506) - 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}

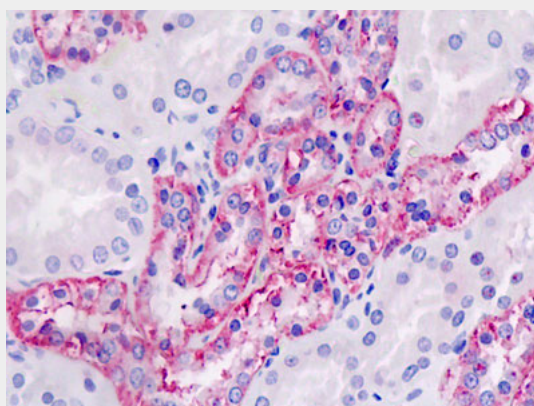
Volume
50 µl

PLD4 / Phospholipase D4 Antibody (aa457-506) - Protocols

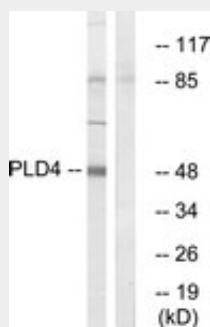
Provided below are standard protocols that you may find useful for product applications.

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

PLD4 / Phospholipase D4 Antibody (aa457-506) - Images



Anti-PLD4 / Phospholipase D4 antibody IHC staining of human kidney.



Western blot of extracts from Jurkat cells, using PLD4 Antibody.

PLD4 / Phospholipase D4 Antibody (aa457-506) - References

Clark H.F., et al. Genome Res. 13:2265-2270(2003).