10320 Camino Santa Fe, Suite G
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PLD4 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP17640a

Specification

PLD4 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	Q96BZ4
Other Accession	NP_620145.2

PLD4 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 122618

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

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.

PLD4 Antibody (N-term) Blocking Peptide - 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}

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PLD4 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PLD4 Antibody (N-term) Blocking Peptide - Images

PLD4 Antibody (N-term) Blocking Peptide - 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)