

PLD3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54943**Specification**

PLD3 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q8IV08
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54705

PLD3 Polyclonal Antibody - Additional Information**Gene ID** 23646**Other Names**

5'-3' exonuclease PLD3, 3.1.16.1, Choline phosphatase 3, HindIII K4L homolog, Hu-K4, Phosphatidylcholine-hydrolyzing phospholipase D3, Phospholipase D3, PLD 3, PLD3

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PLD3 Polyclonal Antibody - Protein Information**Name** PLD3**Function**

5'→3' DNA exonuclease which digests single-stranded DNA (ssDNA) (PubMed:30312375). Regulates inflammatory cytokine responses via the degradation of nucleic acids, by reducing the concentration of ssDNA able to stimulate TLR9, a nucleotide-sensing receptor in collaboration with PLD4 (By similarity). May be important in myotube formation (PubMed:22428023). Plays a role in lysosomal homeostasis (PubMed:28128235). Involved in the regulation of endosomal protein sorting (PubMed:29368044).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein. Lysosome lumen. Early endosome membrane; Single-pass type II membrane protein. Late endosome membrane; Single-pass type II membrane protein. Golgi apparatus membrane; Single-pass type II membrane protein. Endosome membrane; Single-pass type II membrane protein. Note=Localizes to

ER-associated vesicles in differentiating myotubes (PubMed:22428023). The soluble form in lysosome arises by proteolytic processing of the membrane-bound form (PubMed:29386126). Colocalizes with APP in endosomes (PubMed:29368044)

Tissue Location

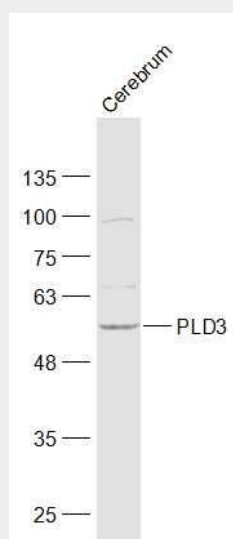
Widely expressed. In the brain, high levels of expression are detected in the frontal, temporal and occipital cortices and hippocampus. Expressed at low level in corpus callosum

PLD3 Polyclonal Antibody - 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](#)

PLD3 Polyclonal Antibody - Images



Sample:

Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-PLD3 (bs-12717R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kD

Observed band size: 55 kD