

PLD1 Antibody (R32213)

Catalog No.	Formulation	Size
R32213	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q13393
Applications	Western Blot : 0.1-0.5ug/ml
Limitations	This PLD1 antibody is available for research use only.



Western blot testing of 1) mouse heart, 2) human 22RV1 and 3) human HeLa cell lysate with PLD1 antibody. Expected/observed molecular weight: ~124 kDa.

Description

By somatic cell hybrid analysis, PLD1 is mapped to 3q26.31. This gene encodes a phosphatidylcholine-specific phospholipase which catalyzes the hydrolysis of phosphatidylcholine in order to yield phosphatidic acid and choline. The enzyme may play a role in signal transduction and subcellular trafficking. Alternative splicing results in multiple transcript variants with both catalytic and regulatory properties. And PLD1 disrupted association of gamma-secretase protein components, independent of PLD1 catalytic activity. What's more, PLD1 regulates intracellular trafficking of beta-amyloid, distinct from its effect on gamma-secretase activity.

Application Notes

Optimal dilution of the PLD1 antibody should be determined by the researcher.

Immunogen

Amino acids 1-330 of human PLD1 were used as the immunogen for the PLD1 antibody.

Storage

After reconstitution, the PLD1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.