



PC-PLD2 Monoclonal Antibody

Catalog No	YP-mAb-02736
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PLD2
Immunogen	Synthesized peptide derived from PC-PLD2 . at AA range: 110-190
Specificity	PC-PLD2 Monoclonal Antibody detects endogenous levels of PC-PLD2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PC-PLD2;PLD2;Phospholipase D2;PLD 2;hPLD2;Choline phosphatase 2; PLD1C;Phosphatidylcholine-hydrolyzing phospholipase D2
Observed Band	106kD
Calculated Molecular Weight	106kD
Cell Pathway	Cell membrane ; Lipid-anchor .
Tissue Specificity	Ubiquitous.
Function	catalytic activity:A phosphatidylcholine + H(2)O = choline + a phosphatidate., enzyme regulation:Stimulated by phosphatidylinositol 4,5-bisphosphate and activated by the ADP-ribosylation factor-1 (ARF-1).,function:May have a role in signal-induced cytoskeletal regulation and/or endocytosis.,online information:Phospholipase D entry,similarity:Belongs to the phospholipase D family.,similarity:Contains 1 PH domain.,similarity:Contains 1 PX (phox homology) domain.,similarity:Contains 2 PLD phosphodiesterase domains., subunit:Interacts with EGFR (By similarity). Interacts with PIP5K1A.,tissue specificity:Ubiquitous.,

**Background**

The protein encoded by this gene catalyzes the hydrolysis of phosphatidylcholine to phosphatidic acid and choline. The activity of the encoded enzyme is enhanced by phosphatidylinositol 4,5-bisphosphate and ADP-ribosylation factor-1. This protein localizes to the peripheral membrane and may be involved in cytoskeletal organization, cell cycle control, transcriptional regulation, and/or regulated secretion. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images