



PC-PLD2 (phospho Tyr169) Monoclonal Antibody

Catalog No	BYmab-02419
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PLD2
Protein Name	Phospholipase D2
Immunogen	The antiserum was produced against synthesized peptide derived from human PLD2 around the phosphorylation site of Tyr169. AA range:136-185
Specificity	Phospho-PC-PLD2 (Y169) Monoclonal Antibody detects endogenous levels of PC-PLD2 protein only when phosphorylated at Y169.
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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PLD2; Phospholipase D2; PLD 2; hPLD2; Choline phosphatase 2; PLD1C; Phosphatidylcholine-hydrolyzing phospholipase D2
Observed Band	95kD
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.,

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**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

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