



# cPLA2-γ Monoclonal Antibody

Catalog No	BYmab-02551
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	PLA2G4C
Protein Name	Cytosolic phospholipase A2 gamma
Immunogen	The antiserum was produced against synthesized peptide derived from human PLA2G4C. AA range:301-350
Specificity	cPLA2- γ Monoclonal Antibody detects endogenous levels of cPLA2- γ 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PLA2G4C; Cytosolic phospholipase A2 gamma; cPLA2-gamma; Phospholipase A2 group IVC
Observed Band	70kD
Cell Pathway	Cell membrane ; Lipid-anchor . Endoplasmic reticulum membrane ; Lipid-anchor. Mitochondrion membrane ; Lipid-anchor. Lipid droplet . Translocates from endoplasmic reticulum to lipid droplets in response to oleate. .
Tissue Specificity	Highly expressed in heart and skeletal muscle.
Function	catalytic activity:Phosphatidylcholine + H(2)O = 1-acylglycerophosphocholine + a carboxylate.,enzyme regulation:Not regulated by calcium.,function:Has a preference for arachidonic acid at the sn-2 position of phosphatidylcholine as compared with palmitic acid.,similarity:Contains 1 PLA2c domain.,tissue specificity:Highly expressed in heart and skeletal muscle.,
Background	This gene encodes a protein which is a member of the phospholipase A2 enzyme family which hydrolyzes glycerophospholipids to produce free fatty acids and lysophospholipids, both of which serve as precursors in the production of

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signaling molecules. The encoded protein has been shown to be a calcium-independent and membrane bound enzyme. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009],

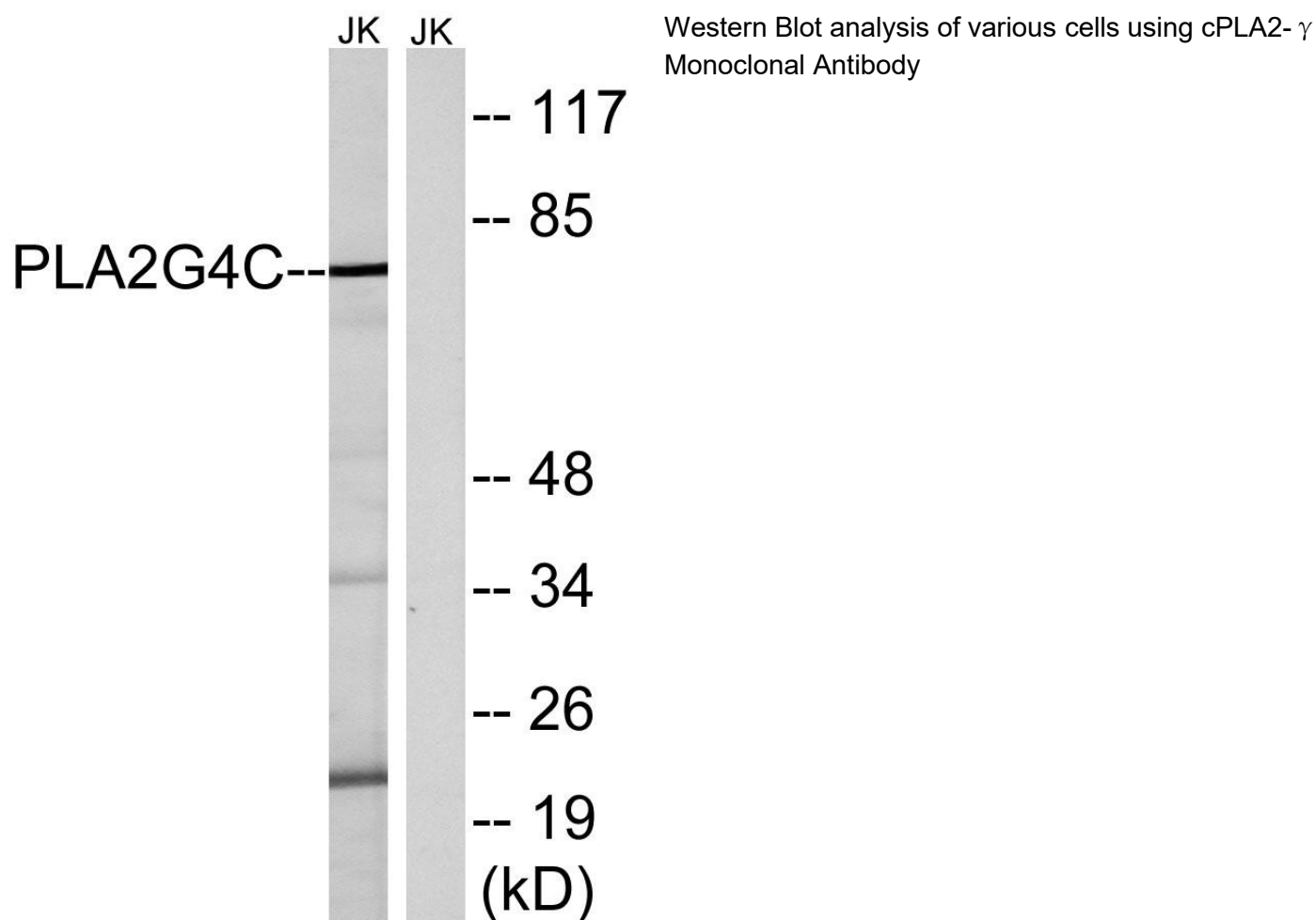
**matters needing attention**

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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