



cPLA2 Monoclonal Antibody

Catalog No	BYmab-02859
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PLA2G4A
Protein Name	Cytosolic phospholipase A2
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human PLA2G4A. AA range:31-80
Specificity	cPLA2 Monoclonal Antibody detects endogenous levels of cPLA2 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
	3
Purity	≥90%
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Purity Storage Stability	≥90% -20°C/1 year PLA2G4A; CPLA2; PLA2G4; Cytosolic phospholipase A2; cPLA2; Phospholipase
Purity Storage Stability Synonyms	≥90% -20°C/1 year PLA2G4A; CPLA2; PLA2G4; Cytosolic phospholipase A2; cPLA2; Phospholipase A2 group IVA
Purity Storage Stability Synonyms Observed Band	≥90% -20°C/1 year PLA2G4A; CPLA2; PLA2G4; Cytosolic phospholipase A2; cPLA2; Phospholipase A2 group IVA 114kD Cytoplasm . Golgi apparatus membrane . Nucleus envelope. Translocates to
Purity Storage Stability Synonyms Observed Band Cell Pathway	≥90% -20°C/1 year PLA2G4A; CPLA2; PLA2G4; Cytosolic phospholipase A2; cPLA2; Phospholipase A2 group IVA 114kD Cytoplasm . Golgi apparatus membrane . Nucleus envelope. Translocates to intracellular membranes in a calcium-dependent way Expressed in various cells and tissues such as macrophages, neutrophils, fibroblasts and lung endothelium. Expressed in platelets (at protein level)

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658







inflammatory response.,PTM:Activated by phosphorylation at both Ser-505 and
Ser-727.,similarity:Contains 1 C2 domain.,similarity:Contains 1 PLA2c
domain.,subcellular location:Translocates to membrane ve

Background

This gene encodes a member of the cytosolic phospholipase A2 group IV family. The enzyme catalyzes the hydrolysis of membrane phospholipids to release arachidonic acid which is subsequently metabolized into eicosanoids. Eicosanoids, including prostaglandins and leukotrienes, are lipid-based cellular hormones that regulate hemodynamics, inflammatory responses, and other intracellular pathways. The hydrolysis reaction also produces lysophospholipids that are converted into platelet-activating factor. The enzyme is activated by increased intracellular Ca(2+) levels and phosphorylation, resulting in its translocation from the cytosol and nucleus to perinuclear membrane vesicles. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015],

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



Western Blot analysis of various cells using cPLA2 Monoclonal Antibody

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