

## 胞浆型磷脂酶 A2 抗体

产品货号： mIR20212

英文名称： CPLA2

中文名称： 胞浆型磷脂酶 A2 抗体

别 名： Calcium dependent phospholipid binding protein; CPLA 2; cPLA2 alpha; cPLA2; Cytosolic phospholipase A2; Cytosolic phospholipase A2 group IVA; Lysophospholipase; MGC126350; PA24A\_HUMAN; Phosphatidylcholine 2 acylhydrolase; Phosphatidylcholine 2-acylhydrolase; Phospholipase A2 group 4 A; Phospholipase A2 group IVA (cytosolic calcium dependent); Phospholipase A2 group IVA; PhospholipaseA2; PLA2G4.

研究领域： 心血管 细胞生物 免疫学 信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Rabbit,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 82kDa

细胞定位： 细胞浆

性 状： Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human CPLA2:221-320/749

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : 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. [provided by RefSeq, Jul 2008].

**Function:**

Selectively hydrolyzes arachidonyl phospholipids in the sn-2 position releasing arachidonic acid. Together with its lysophospholipid activity, it is implicated in the initiation of the inflammatory response.

**Subunit:**

Interacts with KAT5.

**Subcellular Location:**

Cytoplasm. Cytoplasmic vesicle. Note=Translocates to membrane vesicles in a calcium-dependent fashion.

**Tissue Specificity:**

Expressed in various tissues such as macrophages, platelets, neutrophils, fibroblasts and lung endothelium.

**Post-translational modifications:**

Activated by phosphorylation at both Ser-505 and Ser-727.

**Similarity:**

Contains 1 C2 domain.

Contains 1 PLA2c domain.

**SWISS:**

P0C869

**Gene ID:**

100137049

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.