c-PLA2 (N499) polyclonal antibody

Catalog: BS1434 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Phospholipase A2s (PLA2s) constitute a family of esterases that hydrolyze the sn-2-acyl ester bond in glycerophospholipid molecules. These enzymes are generally calcium-dependent and have been found both intra- and extracellularly. By hydrolyzing the sn-2 bond in glycerophospholipids, PLA2s release fatty acids. One such fatty acid, arachidonic acid, generates the substrates for the initiation of the arachidonic acid cascade that produces various eicosanoids (i.e. prostaglandins, leukotrienes and thromboxanes), many of which are potent mediators of inflammation. PLA2s include both the relatively low molecular weight type I and type II enzymes and the form known as cytoplasmic PLA2 (cPLA2). cPLA2 is present in the cytosol of various cells and tissues including platelets, macrophages and monoblasts; and preferentially hydrolyzes the sn-2 position of phospholipid molecules, releasing free arachidonate.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 100 kDa

Swiss-Prot:

P47712

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

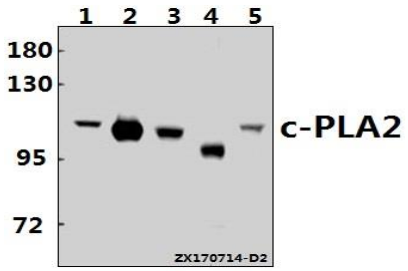
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

c-PLA2 (N499) polyclonal antibody detects endogenous levels of c-PLA2 protein.

DATA:



Western blot (WB) analysis of c-PLA2 (N499) pAb at 1:500 dilution

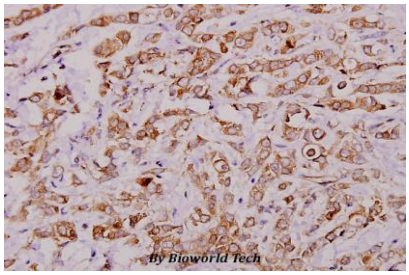
Lane1:THP-1 whole cell lysate(40ug)

Lane2:MEF whole cell lysate(10ug)

Lane3:H9C2 whole cell lysate(40ug)

Lane4:K562 whole cell lysate(10ug)

Lane5:Jurkat whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of c-PLA2 (N499) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

For research use only, not for use in diagnostic procedure.

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