

Rabbit anti-Human c-Phospholipase A2 Polyclonal Antibody

c-Phospholipase A2 (Cytosolic PLA2, cPLA2)

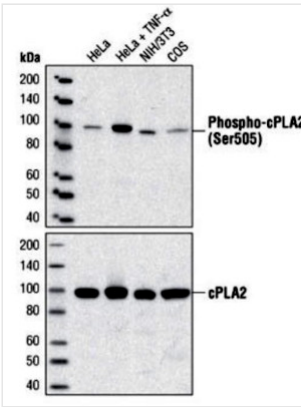
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14717	Rabbit	Human	ELISA, Western Blot, Immunoprecipitation

PRODUCT SYNONYMS

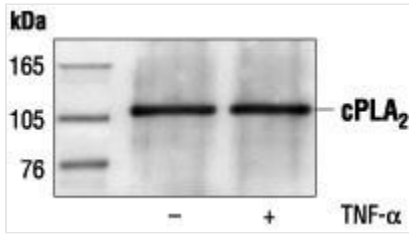
c-Phospholipase A2; Polyclonal Antibody; c-Phospholipase A2 (Cytosolic PLA2; cPLA2); Anti -c-Phospholipase A2 (Cytosolic PLA2; anti-c-Phospholipase A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes endogenous levels of total human cPLA2. Does not crossreact with the secreted PLA2 (sPLA2) or cytosolic Ca ²⁺ independent PLA2 (iPLA2). Species crossreactivity: monkey, mouse, and rat.
Purity/Purification	Purified by Protein A and peptide affinity chromatography
Form/Format	Supplied as a liquid in 10mM HEPES, pH 7.5, 150mM sodium chloride, 0.1mg/ml BSA, 50% glycerol. No preservative added.
Applicable Applications for anti-c-Phospholipase A2 antibody	ELISA, WB (Western Blot), IP (Immunoprecipitation)
Application Notes	Suitable for use in ELISA, Western Blot and Immunoprecipitation. WB: 1:1000 Incubate membrane with diluted AAA14717 in 5% BSA, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking overnight . Immunoprecipitation (IP): 1:50 Optimal dilutions to be determined by the end researcher. Other applications have not been tested.
Immunogen	Synthetic peptide corresponding to the C-terminal residues of human c-Phospholipase A2.
Grade	Affinity Purified
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



WB (Western Blot)
Western blot analysis of extracts from HeLa, C6 and NIH/3T3 cells, using AAA14717.



WB (Western Blot)
Immunoprecipitation of cPLA2 from untreated and TNF-alpha treated HeLa cells followed by Western blot analysis, using AAA14717.

ADDITIONAL INFORMATION

Related Product Information for anti-c-Phospholipase A2 antibody	Cytosolic phospholipase A2 (cPLA2) is a ubiquitously distributed enzyme that catalyzes the hydrolysis of the sn-2 acyl bond of glycerolipids to produce lysophospholipids and the release of arachidonic acid. cPLA2 has been implicated in diverse cellular responses such as mitogenesis, differentiation, inflammation and cytotoxicity. Calcium binding to the Nterminal CalB domain of cPLA2 promotes the translocation of cPLA2 from cytosol to membrane, where cPLA2 cleaves arachidonic acid from natural membrane. Phosphorylation of cPLA2 by MAPK (p42/44 and p38) at serine 505 and serine 727 stimulates its catalytic activity.
Product Categories/Family for anti-c-Phospholipase A2 antibody	Antibodies; Abs to Enzymes; Phospholipase

NCBI AND UNIPROT INFORMATION

NCBI GI #	3212297
NCBI Official Full Name	Chain C, Phospholipase A2 (Pla2) From Naja Naja Venom

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/c-phospholipase-a2-antibody-western-blot-immunoprecipitation-elisa/14717>