

c-PLA2 Antibody | anti-c-PLA2 antibody

c-PLA2 (Phospho-Ser505) Antibody

CATALOG # AAA267345	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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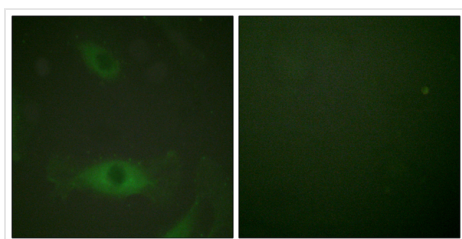
PRODUCT SYNONYMS

c-PLA2; c-PLA2 (Phospho-Ser505) Antibody; CPLA2; Cytosolic phospholipase A2; EC 3.1.1.4; EC 3.1.1.5; PA24; PA24A; PLA2G4; PLA2G4A; Phosphatidylcholine 2-acylhydrolase; anti-c-PLA2 antibody

PRODUCT SPECIFICATIONS

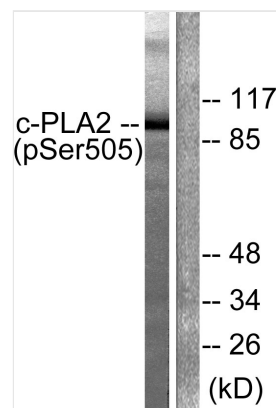
Reactivity	Human, Mouse, Rat
Specificity	c-PLA2 (Phospho-Ser505) antibody detects endogenous levels of c-PLA2 only when phosphorylated at serine 505.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	689
Applicable Applications for anti-c-PLA2 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human c-PLA2 around the phosphorylation site of serine 505 (P-L-SP-P-L).
All Sites	Human: Ser505 Mouse: Ser505 Rat: Ser505
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



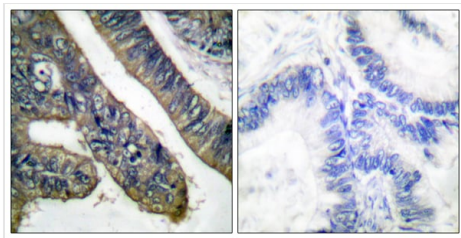
IF (Immunofluorescence)

TNF-α + - Immunofluorescence analysis of HeLa cells treated with TNF-α (20nM, 15mins), using c-PLA2 (Phospho-Ser505) antibody (#A0065).



WB (Western Blot)

Western blot analysis of extracts from HeLa cells treated with TNF-α (20ng/ml, 30mins), using c-PLA2 (Phospho-Ser505) antibody (#A0065).



IHC (Immunohistochemistry)
P-peptide-+ Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using c-PLA2 (Phospho-Ser505) antibody (#A0065).

ADDITIONAL INFORMATION

References	D. D. Denson, J Neurophysiol, Jun 2005; 93: 3146-3156. Diane M. Duffy, J. Clin. Endocrinol. Metab., Oct 2005; 90: 5858-5865. Andrei I. Ivanov, Am J Physiol Regulatory Integrative Comp Physiol, Nov 2002; 283: 1104. Miriam Kolko, Invest. Ophthalmol. Vis. Sci., Mar 2007; 48: 1401-1409.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	909618051
NCBI GeneID	5321
NCBI Accession #	NP_001298122.1
NCBI GenBank Nucleotide #	NM_001311193.1
UniProt Accession #	P47712; Q29R80; B1AKG4
Molecular Weight	85,239 Da
NCBI Official Full Name	cytosolic phospholipase A2 isoform 2
NCBI Official Synonym Full Names	phospholipase A2 group IVA
NCBI Official Symbol	PLA2G4A
NCBI Official Synonym Symbols	cPLA2; PLA2G4; cPLA2-alpha
NCBI Protein Information	cytosolic phospholipase A2
UniProt Protein Name	Cytosolic phospholipase A2
UniProt Gene Name	PLA2G4A
UniProt Synonym Gene Names	CPLA2; PLA2G4; cPLA2

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.