

Rabbit Phospholipase A2 Polyclonal Antibody | anti-PLA2G4A antibody

Anti-Phospholipase A2 antibody

CATALOG # AAA45409	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
------------------------------	-----------------------	--	-------------------------------------

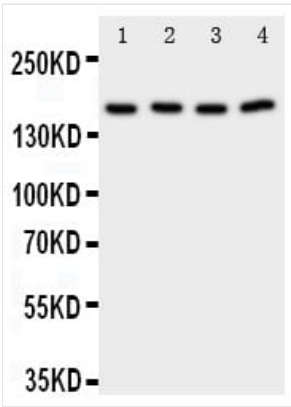
PRODUCT SYNONYMS

Phospholipase A2; Polyclonal Antibody; Anti-Phospholipase A2 antibody; Cytosolic phospholipase A2; phospholipase A2; group IVA(cytosolic; calcium-dependent); Calcium dependent phospholipid binding protein antibody; CPLA 2 antibody; cPLA2 alpha antibody; cPLA2 antibody; Cytosolic phospholipase A2 antibody; Cytosolic phospholipase A2 group IVA antibody; Lysophospholipase antibody; MGC126350 antibody; PA24A_HUMAN antibody; Phosphatidylcholine 2 acylhydrolase antibody; Phosphatidylcholine 2-acylhydrolase antibody; Phospholipase A2 group 4 A antibody; Phospholipase A2 group IVA(cytosolic calcium dependent) antibody; Phospholipase A2 group IVA antibody; PhospholipaseA2 antibody; PLA2G4 antibody; pla2g4a antibody; anti-PLA2G4A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	749
Applicable Applications for anti-PLA2G4A antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Phospholipase A2 (686-700aa PNQAFKRLHDLMHFN), different from the related rat and mouse sequences by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-PLA2G4A antibody, AAA45409, Western blotting
Lane 1: Rat Testis Tissue Lysate
Lane 2: Rat Brain Tissue Lysate
Lane 3: A549 Cell Lysate
Lane 4: COLO320 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PLA2G4A antibody	Description: Rabbit IgG polyclonal antibody for Cytosolic phospholipase A2(PLA2G4A) detection. Tested with WB in Human, Mouse, Rat. Background: PLA2G4A(Phospholipase A2, Group IVA), is an enzyme that in humans is encoded by the PLA2G4A gene. Tay et al.(1995) mapped the PLA2G4A gene to rat chromosome 13 by PCR-based intercross genotyping and to human 1q25 by fluorescence in situ hybridization. By site-directed mutagenesis and biochemical analysis of the recombinant protein, Sharp et al.(1994) determined that ser228 participates in the catalytic mechanism of cPLA2 and that both the phospholipase A2 and the lysophospholipase activities are catalyzed by the same active site residue(s). PLA2G4A, the cytosolic phospholipase A2, appears to subserve transmembrane signaling responses to extracellular ligands(Skorecki, 1995).
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	317373312
NCBI GeneID	5321
UniProt Accession #	P47712; Q29R80; B1AKG4
Molecular Weight	85,239 Da
NCBI Official Full Name	Cytosolic phospholipase A2
NCBI Official Synonym Full Names	phospholipase A2, group IVA (cytosolic, calcium-dependent)
NCBI Official Symbol	PLA2G4A
NCBI Official Synonym Symbols	PLA2G4; cPLA2-alpha
NCBI Protein Information	cytosolic phospholipase A2; cPLA2; lysophospholipase; phospholipase A2 group IVA; phosphatidylcholine 2-acylhydrolase; calcium-dependent phospholipid-binding protein
UniProt Protein Name	Cytosolic phospholipase A2
UniProt Gene Name	PLA2G4A
UniProt Synonym Gene Names	CPLA2; PLA2G4; cPLA2
UniProt Entry Name	PA24A_HUMAN

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.