



Human PLA2G4A blocking peptide (CDBP2320)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PLA2G4A antibody
Antigen Description	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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PLA2G4A phospholipase A2, group IVA (cytosolic, calcium-dependent) [Homo sapiens]
Official Symbol	PLA2G4A

Synonyms	PLA2G4A; phospholipase A2, group IVA (cytosolic, calcium-dependent); PLA2G4; cytosolic phospholipase A2; cPLA2 alpha; cPLA2; lysophospholipase; phospholipase A2 group IVA; phosphatidylcholine 2-acylhydrolase; calcium-dependent phospholipid-binding protein; cPLA2-alpha; MGC126350;
Entrez Gene ID	5321
mRNA Refseq	NM_024420
Protein Refseq	NP_077734
UniProt ID	P47712
Chromosome Location	1q25
Pathway	ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Ca-dependent events, organism-specific biosystem; Endothelins, organism-specific biosystem; Ether lipid metabolism, organism-specific biosystem; Ether lipid metabolism, conserved biosystem;
Function	calcium ion binding; calcium-dependent phospholipase A2 activity; calcium-dependent phospholipid binding; hydrolase activity; lysophospholipase activity; phospholipase A2 activity; phospholipase A2 activity;