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anti-PLA2G4A antibody (Internal Region)





Go to Product page

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Quantity:	100 μg	
Target:	PLA2G4A	
Binding Specificity:	Internal Region	
Reactivity:	Human	
Host:	Goat	
Clonality:	Polyclonal	
Conjugate:	This PLA2G4A antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)	

Product Details

Purpose:	PLA2G4A
Immunogen:	Peptide with sequence C-QEKTFRQQRKEHIR, from the internal region of the protein sequence according to NP_077734.1.
Sequence:	QEKTFRQQRK EHIR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

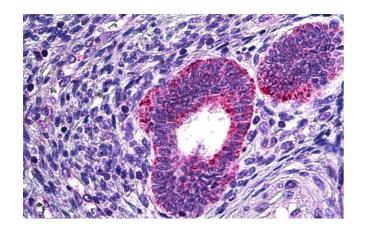
Target Details

Target:	PLA2G4A	
Alternative Name:	PLA2G4A (PLA2G4A Products)	
Background:	PLA2G4A, phospholipase A2, group IVA (cytosolic, calcium-dependent), MGC126350, PLA2G4,	
	cPLA2-alpha, calcium-dependent phospholipid-binding protein, cytosolic phospholipase A2,	
	group IVA, lysophospholipase, phosphatidylcholine 2-acylhydrolase	
Gene ID:	5321	
NCBI Accession:	NP_077734	
Pathways:	Inositol Metabolic Process, G-protein mediated Events, VEGF Signaling	
Application Details		
Application Notes:	Immunohistochemistry: Paraffin embedded Human Uterus. Recommended concentration:	
	Western Blot: Approx 80-85 kDa band observed in lysates of cell line A549 (calculated MW of	
	85.2 kDa according to NP_077734.1). Preliminary experiments also showed an 85-90 kDa band	
	in lysates of cell lines A431, HeLa and NIH-3T3 Recommended concentration:	
	Peptide ELISA: antibody detection limit dilution 1:32000.	
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm of A549 cells.	
	Recommended concentration: 10µg/ml.	
	Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration:	
	10ug/ml.<	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.5 mg/mL	
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum	
	albumin.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Handling Advice:	Minimize freezing and thawing.	

Handling

Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated
	at 4°C for a few weeks and still remain viable.

Images



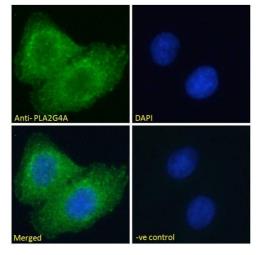
Immunohistochemistry

Image 1. ABIN571180 (3.75µg/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blotting

Image 2. ABIN571180 (1μg/ml) staining of A549 cell lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



Immunofluorescence

Image 3. ABIN571180 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Please check the product details page for more images. Overall 4 images are available for ABIN571180.

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