

Rabbit PLA2G2A Polyclonal Antibody | anti-PLA2G2A antibody

PLA2G2A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326140	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

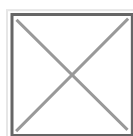
PRODUCT SYNONYMS

PLA2G2A; Polyclonal Antibody; PLA2G2A Antibody; EC 3.1.1.4; GIIC sPLA2; Group IIA phospholipase A2; membrane associated; MOM1; Non pancreatic secretory phospholipase A2; Non-pancreatic secretory phospholipase A2; NPS PLA2; NPS-PLA2; NPSPLA2; PA2GA_HUMAN; Phosphatidylcholine 2 acylhydrolase; Phosphatidylcholine 2-acylhydrolase 2A; Phospholipase A2; Phospholipase A2 group IIA (platelets synovial fluid); Phospholipase A2 membrane associated precursor; PLA2; PLA2B; PLA2L; PLA2S; PLAS1; RASF A; RASFA; sPLA2; anti-PLA2G2A antibody

PRODUCT SPECIFICATIONS

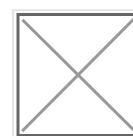
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PLA2G2A antibody detects endogenous levels of total PLA2G2A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PLA2G2A antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLA2G2A, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from various samples, using PLA2G2A Antibody. Lane 1: Rat lung, treated with blocking peptide; Lane 2: Rat lung; Lane 3: Hybridoma cells.



IHC (Immunohistochemistry)

AAA326140 at 1/100 staining Human pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326140 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA326140 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PLA2G2A antibody	Description: The protein encoded by this gene is a member of the phospholipase A2 family (PLA2). PLA2s constitute a diverse family of enzymes with respect to sequence, function, localization, and divalent cation requirements. This gene product belongs to group II, which contains secreted form of PLA2, an extracellular enzyme that has a low molecular mass and requires calcium ions for catalysis. It catalyzes the hydrolysis of the sn-2 fatty acid acyl ester bond of phosphoglycerides, releasing free fatty acids and lysophospholipids, and thought to participate in the regulation of the phospholipid metabolism in biomembranes. Several alternatively spliced transcript variants with different 5' UTRs have been found for this gene.[provided by RefSeq, Sep 2009] Similarity: Belongs to the phospholipase A2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505849
NCBI GeneID	5320
NCBI Accession #	NP_000291.1
NCBI GenBank Nucleotide #	NM_000300.3
UniProt Accession #	P14555; Q6DN24; Q6IBD9; Q9UCD2; A8K5I7
Molecular Weight	16 kDa
NCBI Official Full Name	phospholipase A2, membrane associated
NCBI Official Synonym Full Names	phospholipase A2 group IIA
NCBI Official Symbol	PLA2G2A
NCBI Official Synonym Symbols	MOM1; PLA2; PLA2B; PLA2L; PLA2S; PLAS1; sPLA2
NCBI Protein Information	phospholipase A2, membrane associated
UniProt Protein Name	Phospholipase A2, membrane associated
UniProt Gene Name	PLA2G2A
UniProt Synonym Gene Names	PLA2B; PLA2L; RASF-A; NPS-PLA2

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.