Rabbit PLA2G6 Polyclonal Antibody | anti-PLA2G6 antibody

PLA2G6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325355	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

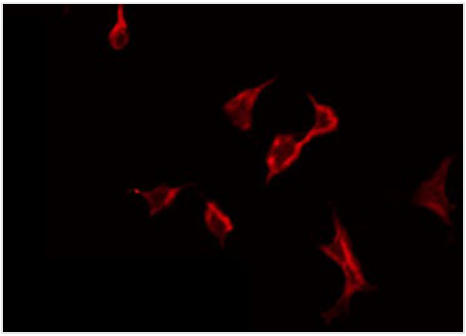
PRODUCT SYNONYMS

PLA2G6; Polyclonal Antibody; PLA2G6 Antibody; 85 kDa calcium independent phospholipase A2; 85/88 kDa calcium-independent phospholipase A2; BB112799; CaI PLA2; CaI-PLA2; CaIPLA2; Calcium independent phospholipase A2; CTA-228A.2; Cytosolic calcium independent phospholipase A2; EC 3.1.1.4; Group VI phospholipase A2; Group VI; A; GVI; GVI PLA2; INAD1; Intracellular membrane associated calcium independent phospholipase A2 beta; Intracellular membrane-associated calcium-independent phospholipase A2 beta; iPLA(2)beta; iPLA2 beta; iPLA2-beta; IPLA2-VIA; iPLA2beta; NBIA2; NBIA2A; NBIA2B; Neurodegeneration with brain iron accumulation 2; OTTHUMP00000199457; PARK14; Patatin like phospholipase domain containing 9; Patatin like phospholipase domain containing protein 9; Patatin-like phospholipase domain-containing protein 9; Phospholipase A2 calcium independent; Phospholipase A2 calcium independent group VI A; Phospholipase A2 group VI; Phospholipase A2 group VI cytosolic calcium independent; Phospholipase A2; group VI (cytosolic; calcium independent); PLA2; PLPL9_HUMAN; PNPLA9; anti-PLA2G6 antibody

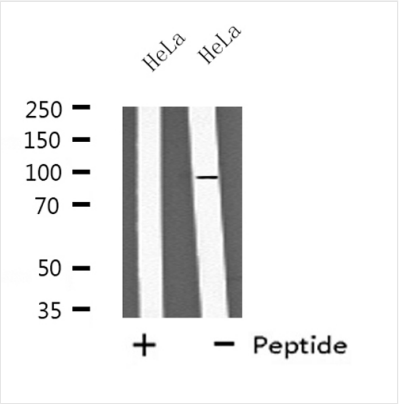
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PLA2G6 antibody detects endogenous levels of total PLA2G6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	752
Applicable Applications for anti-PLA2G6 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm and Membrane. Recruited to the membrane-enriched pseudopod upon MCP1/CCL2 stimulation in monocytes.
Tissue Specificity	Four different transcripts were found to be expressed in a distinct tissue distribution.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (93%), Xenopus (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA325355 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using PA2G6 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PLA2G6 antibody	Function: Catalyzes the release of fatty acids from phospholipids. It has been implicated in normal phospholipid remodeling, nitric oxide-induced or vasopressin-induced arachidonic acid release and in leukotriene and prostaglandin production. May participate in fas mediated apoptosis and in regulating transmembrane ion flux in glucose-stimulated B-cells. Has a role in cardiolipin (CL) deacylation. Required for both speed and directionality of monocyte MCP1/CCL2-induced chemotaxis through regulation of F-actin polymerization at the pseudopods. Subunit Structure: Forms large oligomeric 270-350 kDa structures.

NCBI AND UNIPROT INFORMATION

NCBI GI #	52486251
NCBI GeneID	8398
NCBI Accession #	NP_001004426.1
NCBI GenBank Nucleotide #	NM_001004426.2
UniProt Accession #	O60733; O75645; Q8N452; Q9UG29; Q9UIT0; Q9Y671; A8K597; B0QYE8
Molecular Weight	Observed: 90 kD Predicted: 90 kDa
NCBI Official Full Name	85/88 kDa calcium-independent phospholipase A2 isoform b
NCBI Official Synonym Full Names	phospholipase A2 group VI
NCBI Official Symbol	PLA2G6
NCBI Official Synonym Symbols	GVI; PLA2; INAD1; NBIA2; iPLA2; NBIA2A; NBIA2B; PARK14; PNPLA9; CaI-PLA2; IPLA2-VIA; iPLA2beta
NCBI Protein Information	85/88 kDa calcium-independent phospholipase A2
UniProt Protein Name	85/88 kDa calcium-independent phospholipase A2
UniProt Gene Name	**PLA2G6**
UniProt Synonym Gene Names	PLPLA9; CaI-PLA2; GVI PLA2; iPLA2-beta; PNPLA9

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.

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