

Rabbit anti-Human PLA2G4B Polyclonal Antibody | anti-PLA2G4B antibody

PLA2G4B Antibody (Center)

CATALOG # AAA286506	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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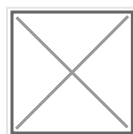
PRODUCT SYNONYMS

PLA2G4B; Polyclonal Antibody; PLA2G4B Antibody (Center); Cytosolic phospholipase A2 beta; cPLA2-beta; Phospholipase A2 group IVB; anti-PLA2G4B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PLA2G4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 396-424 amino acids from the Central region of human PLA2G4B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	396-424
Sequence Length	781
Applicable Applications for anti-PLA2G4B antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Region	396-424aa
Gene ID	100137049;8681
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

PLA2G4B Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot analysis of PLA2G4B Antibody (Center) in K562 cell line lysates (35ug/lane). PLA2G4B (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PLA2G4B antibody	PLA2G4B transcribes naturally-occurring mRNAs that are co-transcribed products of the neighboring JMJD7 and PLA2G4B genes. Incompletely processed read-through transcripts from these two loci are abundantly expressed in most tissues, but the function of the predicted protein product has not yet been determined. Protein Information: Name: PLA2G4B Function: Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position with a preference for arachidonoyl phospholipids. Has a much weaker activity than PLA2G4A. Isoform 3 has calcium-dependent activity against palmitoyl-arachidonyl-phosphatidylethanolamine and low level lysophospholipase activity but no activity against phosphatidylcholine. Isoform 5 does have activity against phosphatidylcholine. Cellular Location: Cytoplasm, cytosol Tissue Location: Widely expressed. Expressed at higher level in brain, heart, liver, cerebellum and pancreas. Isoform 3 is widely expressed.
Product Categories/Family for anti-PLA2G4B antibody	Cell Biology ; Immunology ; Signal Transduction
References	Ghosh, M., et al. J. Biol. Chem. 281(24):16615-16624(2006) Tao, R., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 137B (1), 56-58 (2005) Pope, S.N., et al. J. Steroid Biochem. Mol. Biol. 94 (1-3), 203-208 (2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	167860120
NCBI GeneID	100137049
NCBI Accession #	NP_001108105.1 ; NP_001185517.1 ; NP_005081.1
NCBI GenBank Nucleotide #	NM_001114633.1
UniProt Accession #	P0C869 ; O95712 ; Q19KD5 ; Q19KD6 ; Q59GF9 ; Q8TB10 ; Q9UKV7 ; B4DRT9
Molecular Weight	87978
NCBI Official Full Name	cytosolic phospholipase A2 beta
NCBI Official Synonym Full Names	phospholipase A2, group IVB (cytosolic)
NCBI Official Symbol	PLA2G4B
NCBI Official Synonym Symbols	HsT16992; cPLA2-beta
NCBI Protein Information	cytosolic phospholipase A2 beta
UniProt Protein Name	Cytosolic phospholipase A2 beta
UniProt Gene Name	PLA2G4B
UniProt Synonym Gene Names	cPLA2-beta
UniProt Entry Name	PA24B_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.