

PLA2G4B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP4919c

Specification

PLA2G4B Antibody (Center) - Product Information

FC, WB, E Application **Primary Accession** P0C869 Reactivity Human Host Rabbit Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 87978 Antigen Region 396-424

PLA2G4B Antibody (Center) - Additional Information

Gene ID 100137049

Other Names

Cytosolic phospholipase A2 beta, cPLA2-beta, Phospholipase A2 group IVB, PLA2G4B

Target/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.

Dilution

FC~~1:10~50 WB~~1:1000

E~~Use at an assay dependent concentration.

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.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PLA2G4B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PLA2G4B Antibody (Center) - Protein Information

Name PLA2G4B

Function Calcium-dependent phospholipase A1 and A2 and lysophospholipase that may play a



role in membrane phospholipid remodeling.

Cellular Location

[Isoform 3]: Cytoplasm, cytosol. Mitochondrion membrane; Peripheral membrane protein. Early endosome membrane; Peripheral membrane protein. Note=Translocates to membrane vesicles in a calcium-dependent fashion.

Tissue Location

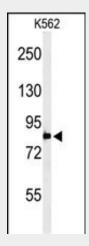
Widely expressed. Expressed at higher level in brain, heart, liver, cerebellum and pancreas

PLA2G4B Antibody (Center) - Protocols

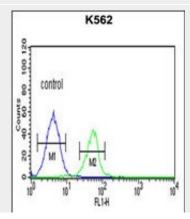
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PLA2G4B Antibody (Center) - Images



Western blot analysis of PLA2G4B Antibody (Center) (Cat. #AP4919c) in K562 cell line lysates (35ug/lane). PLA2G4B (arrow) was detected using the purified Pab.





PLA2G4B Antibody (Center) (Cat. #AP4919c) 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.

PLA2G4B Antibody (Center) - Background

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.

PLA2G4B Antibody (Center) - 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)