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Anti-PLA2G4D Antibody

Catalog # AP61389

Product Information

Application	WB, IHC
Primary Accession	Q86XP0
Reactivity	Human, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	91952

Additional Information

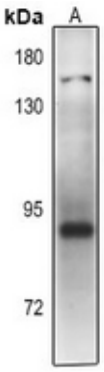
Gene ID	283748
Other Names	Cytosolic phospholipase A2 delta; cPLA2-delta; Phospholipase A2 group IVD
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PLA2G4D. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

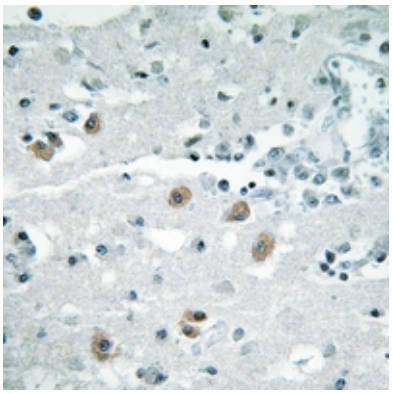
Name	PLA2G4D (HGNC:30038)
Function	Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position (PubMed:14709560). Has a preference for linoleic acid at the sn-2 position (PubMed:14709560).
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q50L43}. Membrane {ECO:0000250|UniProtKB:Q50L43}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q50L43}; Cytoplasmic side {ECO:0000250|UniProtKB:Q50L43}. Note=Translocates to perinuclear membranes that may correspond to endoplasmic reticulum or Golgi in a calcium-dependent fashion. {ECO:0000250|UniProtKB:Q50L43}
Tissue Location	Expressed in stratified squamous epithelia, such as those in skin and cervix, but not in other tissues (PubMed:14709560) Strongly expressed in the upper spinous layer of the psoriatic epidermis, expressed weakly and discontinuously in atopic dermatitis and mycosis fungoides, and not detected

in the epidermis of normal skin (PubMed:14709560).

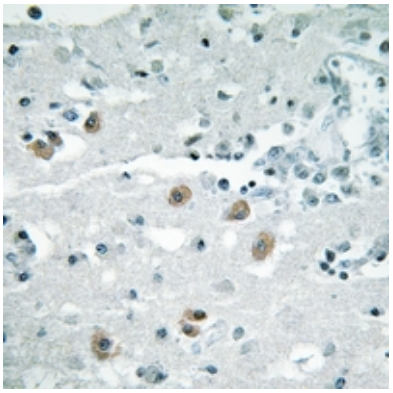
Images



Western blot analysis of PLA2G4D expression in Hela (A) whole cell lysates. (Predicted band size: 91 kD; Observed band size: 92 kD)



Immunohistochemical analysis of PLA2G4D staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.