

Anti-Phospholipase D2 (Phospho-Y169) Antibody

Catalog # AP51658

Product Information

Application	WB, IHC
Primary Accession	O14939
Reactivity	Human, Mouse, Rat, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	105987

Additional Information

Gene ID	5338
Other Names	Phospholipase D2; PLD 2; hPLD2; Choline phosphatase 2; PLD1C; Phosphatidylcholine-hydrolyzing phospholipase D2
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y169 of human Phospholipase D2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
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

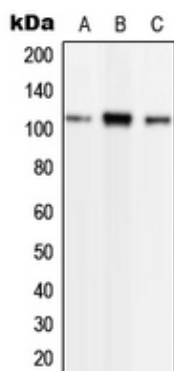
Name	PLD2 (HGNC:9068)
Function	Function as phospholipase selective for phosphatidylcholine (PubMed: 9582313). May have a role in signal-induced cytoskeletal regulation and/or endocytosis (By similarity).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P97813}; Lipid-anchor {ECO:0000250 UniProtKB:P97813}
Tissue Location	Ubiquitous..

References

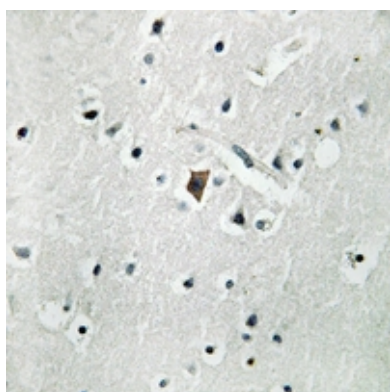
Steed P.M.,et al.FASEB J. 12:1309-1317(1998).

Lopez I.,et al.J. Biol. Chem. 273:12846-12852(1998).
Saib K.M.,et al.Submitted (DEC-1997) to the EMBL/GenBank/DDBJ databases.
Divecha N.,et al.EMBO J. 19:5440-5449(2000).
Sjoeblo T.,et al.Science 314:268-274(2006).

Images



Western blot analysis of Phospholipase D2 (Phospho-Y169) expression in HEK293T TNFa-treated (A), NIH3T3 TNFa-treated (B), H9C2 TNFa-treated (C) whole cell lysates. (Predicted band size: 105 kD; Observed band size: 105 kD)



Immunohistochemical analysis of Phospholipase D2 (Phospho-Y169) 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.

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