

Rabbit anti-Human PLD2 Polyclonal Antibody | anti-PLD2 antibody

PLD2 (Phospho-Tyr169) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307786	Rabbit	Human	Immunohistochemistry, Western Blot

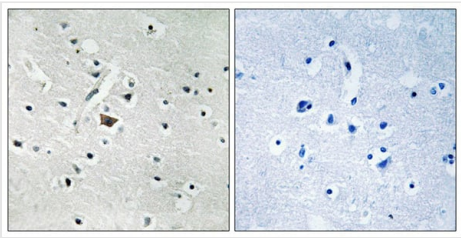
PRODUCT SYNONYMS

PLD2; Polyclonal Antibody; PLD2 (Phospho-Tyr169) Antibody; PLD 2; PLD1C; choline phosphatase 2; anti-PLD2 antibody

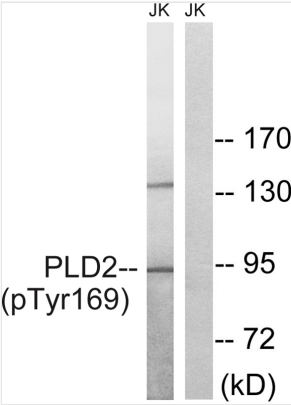
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of PLD2 only when phosphorylated at tyrosine 169.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	922
Applicable Applications for anti-PLD2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 169(E-N-Y(p)-L-N) derived from Human PLD2.
Modification	Phospho-Tyr169
Target Name	PLD2
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human brain tissue using PLD2 (Phospho-Tyr169) antibody (left) or the same antibody preincubated with blocking peptide (right).



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells treated with TNF using PLD2 (Phospho-Tyr169) Antibody. The lane on the right is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PLD2 antibody	Phosphatidylcholine (PC)-specific phospholipases D (PLDs) catalyze the hydrolysis of PC to produce phosphatidic acid and choline. Activation of PC-specific PLDs occurs as a consequence of agonist stimulation of both tyrosine kinase and G protein-coupled receptors. PC-specific PLDs have been proposed to function in regulated secretion, cytoskeletal reorganization, transcriptional regulation, and cell cycle control. Steed P.M., FASEB J. 12:1309-1317(1998). Lopez I., J. Biol. Chem. 273:12846-12852(1998). Divecha N., EMBO J. 19:5440-5449(2000).
Product Categories/Family for anti-PLD2 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	340805823
NCBI GeneID	5338
NCBI Accession #	NP_001230037.1
NCBI GenBank Nucleotide #	NM_001243108.1
UniProt Accession #	O14939; O43540; O43579; O43580; Q6PGR0; Q96BY3; I3L2C9
Molecular Weight	104,657 Da
NCBI Official Full Name	phospholipase D2 isoform PLD2B
NCBI Official Synonym Full Names	phospholipase D2
NCBI Official Symbol	PLD2
NCBI Protein Information	phospholipase D2
UniProt Protein Name	Phospholipase D2
UniProt Gene Name	PLD2
UniProt Synonym Gene Names	PLD 2; hPLD2
UniProt Entry Name	PLD2_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.