

Datasheet for ABIN7138945

anti-Phospholipase D2 antibody (pTyr169)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Phospholipase D2 (PLD2)
Binding Specificity:	pTyr169
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phospholipase D2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 169(E-N-Y(p)-L-N) derived from Human PLD2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
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

Target Details

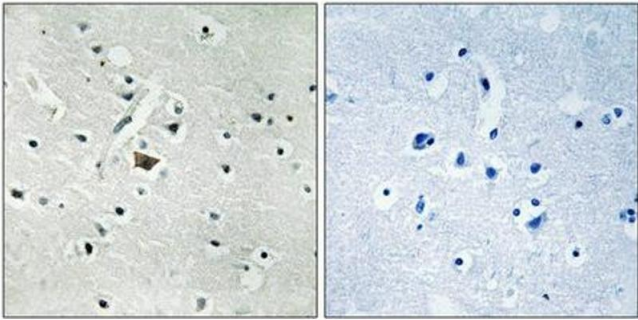
Target:	Phospholipase D2 (PLD2)
Alternative Name:	PLD2 (PLD2 Products)

Target Details

Background:	<p>Background:</p> <p>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.</p> <p>Steed P.M., FASEB J. 12:1309-1317(1998).</p> <p>Lopez I., J. Biol. Chem. 273:12846-12852(1998).</p> <p>Divecha N., EMBO J. 19:5440-5449(2000).</p> <p>Aliases: Choline phosphatase 2 antibody, EC 3.1.4.4 antibody, hPLD 2 antibody, hPLD2 antibody, mPLD2 antibody, Phosphatidylcholine hydrolyzing phospholipase D2 antibody, Phosphatidylcholine-hydrolyzing phospholipase D2 antibody, Phospholipase D2 antibody, PhospholipaseD2 antibody, PLD 2 antibody, PLD1C antibody, Pld2 antibody, PLD2_HUMAN antibody, Pldc antibody, rPLD2 antibody</p>
UniProt:	O14939
Pathways:	RTK Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Regulation of G-Protein Coupled Receptor Protein Signaling

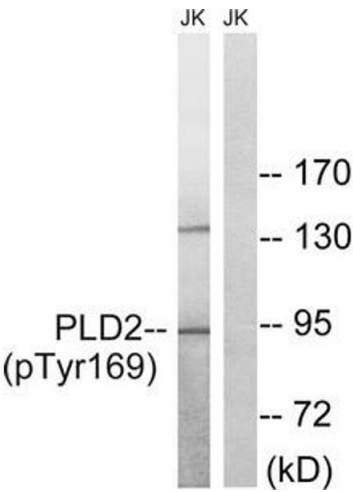
Application Details

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human brain tissue using PLD2 (Phospho-Tyr169) antibody (left) or the same antibody preincubated with blocking peptide (right).



Western Blotting

Image 2. 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.