

Rabbit PLD1 Polyclonal Antibody | anti-PLD1 antibody

Phospho-PLD1 (Thr147) Antibody

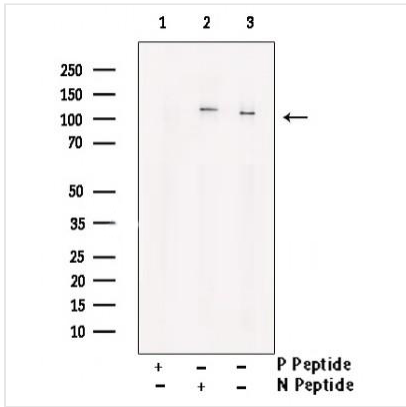
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329477	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Dog (92%)	ELISA, Western Blot

PRODUCT SYNONYMS

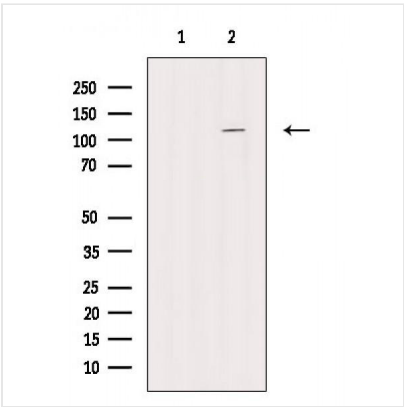
PLD1; Polyclonal Antibody; Phospho-PLD1 (Thr147) Antibody; Choline phosphatase 1; hPLD1; Phosphatidylcholine-hydrolyzing phospholipase D1; Phospholipase D1; PLD 1; PLD1_HUMAN; anti-PLD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Dog (92%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-PLD1 (Thr147) Antibody detects endogenous levels of PLD1 only when phosphorylated at Thr147. Tissue Specificity: Expressed abundantly in the pancreas and heart and at high levels in brain, placenta, spleen, uterus and small intestine.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PLD1 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLD1 around the phosphorylation site of Thr147.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with PIP5K1B.
Similarity	Belongs to the phospholipase D family.
Subcellular Location	Cytoplasm>Perinuclear region. Endoplasmic reticulum membrane>Lipid-anchor>Cytoplasmic side. Golgi apparatus membrane>Lipid-anchor>Cytoplasmic side. Late endosome membrane>Lipid-anchor>Cytoplasmic side.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from HepG2 , using Phospho-PLD1 (Thr147) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells(LPS 4h treatment), using Phospho-PLD1 (Thr147) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PLD1 antibody	Implicated as a critical step in numerous cellular pathways, including signal transduction, membrane trafficking, and the regulation of mitosis. May be involved in the regulation of perinuclear intravesicular membrane traffic (By similarity).
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505873
NCBI GeneID	5337
NCBI Accession #	NP_002653.1
NCBI GenBank Nucleotide #	NM_002662.4
UniProt Accession #	Q13393
Molecular Weight	124,184 Da
NCBI Official Full Name	phospholipase D1 isoform a
NCBI Official Synonym Full Names	phospholipase D1, phosphatidylcholine-specific
NCBI Official Symbol	PLD1
NCBI Protein Information	phospholipase D1; choline phosphatase 1; phosphatidylcholine-hydrolyzing phospholipase D1
UniProt Protein Name	Phospholipase D1
UniProt Gene Name	PLD1
UniProt Synonym Gene Names	PLD 1; hPLD1
UniProt Entry Name	PLD1_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.