

Rabbit PLD1 Polyclonal Antibody | anti-PLD1 antibody

PLD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329561	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Dog (92%)	ELISA, Western Blot

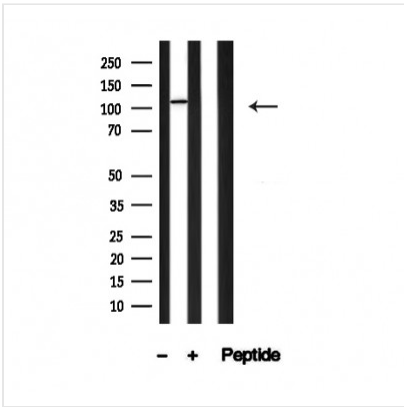
PRODUCT SYNONYMS

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

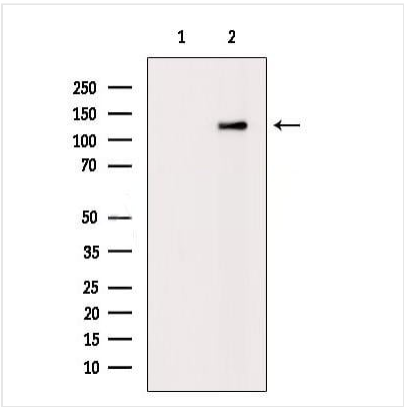
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (92%), Bovine (92%), Horse (92%), Sheep (92%), Dog (92%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	PLD1 Antibody detects endogenous levels of total PLD1. Tissue Specificity: Expressed abundantly in the pancreas and heart and at high levels in brain, placenta, spleen, uterus and small intestine.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
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, corresponding to a region within N-terminal amino acids.
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.

IMAGES



WB (Western Blot)
Western blot analysis of PLD1 in lysates of HepG2 , using PLD1 Antibody(AF4765).



WB (Western Blot)
Western blot analysis of extracts from B16F10 cells, using PLD1 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).
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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.