

Rabbit PLD1 Polyclonal Antibody | anti-PLD1 antibody

Phospho-PLD1 (Ser561) Antibody

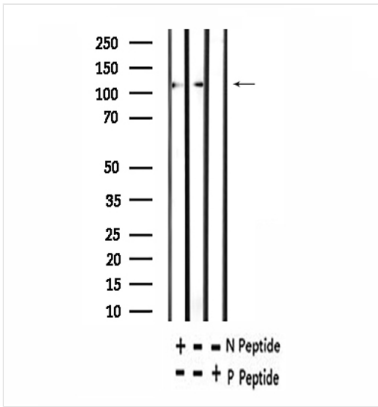
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328501	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PLD1; Polyclonal Antibody; Phospho-PLD1 (Ser561) Antibody; Choline phosphatase 1; hPLD1; Phosphatidylcholine-hydrolyzing phospholipase D1; Phospholipase D1; PLD 1; PLD1_HUMAN; anti-PLD1 antibody

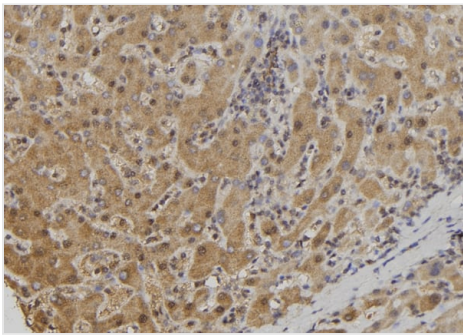
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-PLD1 (Ser561) Antibody detects endogenous levels of PLD1 only when phosphorylated at Ser561.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1074
Applicable Applications for anti-PLD1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLD1 around the phosphorylation site of Ser561.
Tissue Specificity	Expressed abundantly in the pancreas and heart and at high levels in brain, placenta, spleen, uterus and small intestine.
Subcellular Location	Endosome; Endoplasmic Reticulum; Golgi Apparatus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



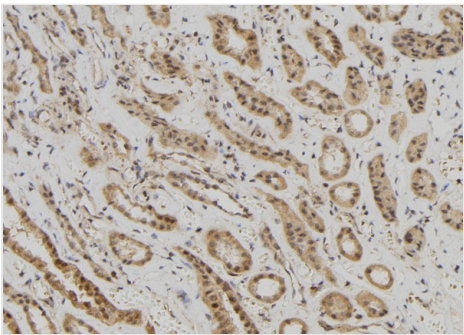
WB (Western Blot)

Western blot analysis of Phospho-PLD1 (Ser561) in lysates of HepG2, using Phospho-PLD1 (Ser561) Antibody.



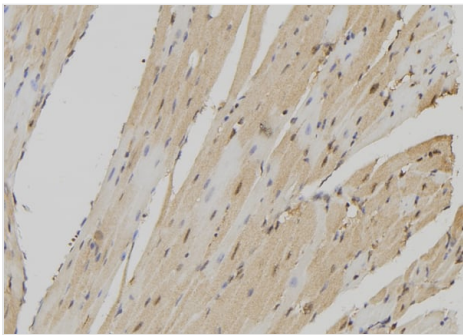
IHC (Immunohistochemistry)

At 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



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At 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining mouse heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-PLD1 antibody	Description: 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).
	Subunit Structure: Interacts with PIP5K1B.
	Similarity: Belongs to the phospholipase D family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505873
NCBI GeneID	5337
NCBI Accession #	NP_002653.1
NCBI GenBank Nucleotide #	NP_002653.1
UniProt Accession #	Q13393
Molecular Weight	Observed: 120 kDa Predicted: 125 kDa
NCBI Official Full Name	phospholipase D1 isoform a

NCBI Official Synonym Full Names	phospholipase D1
NCBI Official Symbol	PLD1
NCBI Official Synonym Symbols	CVDD
NCBI Protein Information	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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pld1-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328501>