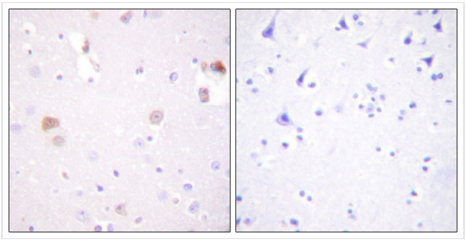
PLD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PLD1, Polyclonal Antibody
Full Product Name	PLD1 Antibody
Product Gene Name	anti-PLD1 antibody
Product Synonym Names	Choline phosphatase 1; Phosphatidylcholine-hydrolyzing phospholipase D1; Phospholipase D1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	PLD1 Antibody detects endogenous levels of total PLD1 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	124 kDa
OMIM	U38545 mRNA
3D Structure	ModBase 3D Structure for Q13393
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human PLD1.
Immunogen Range	527-576
Applications Tested/Suitable for anti-PLD1 antibody	Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-PLD1 antibody	IHC: 1:50~1:100 ELISA: 1:1000
Related Product Information for anti-PLD1 antibody	MBS9503734 is an antibody targeting PLD1. Also known as PLD1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-PLD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-PLD1 antibody
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PLD1 Antibody. The picture on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PLD1. It may not necessarily be applicable to this product.

NCBI GI #	4505873
NCBI GeneID	5337
NCBI Accession #	NP_002653.1
UniProt Primary Accession #	Q13393
UniProt Related Accession #	Q13393
GenBank Nucleotide #	NM_002662.4
NCBI Official Full Name	phospholipase D1 isoform a
NCBI Official Synonym Full Names	phospholipase D1
NCBI Official Symbol	PLD1
NCBI Official Synonym Symbols	CVDD
UniProt Protein Name	Phospholipase D1
UniProt Synonym Protein Names	Choline phosphatase 1; Phosphatidylcholine-hydrolyzing phospholipase D1
Protein Family	Pyridoxal 4-dehydrogenase
UniProt Gene Name	PLD1
UniProt Synonym Gene Names	PLD 1; hPLD1
NCBI Protein Information	phospholipase D1
NCBI Summary for PLD1	This gene encodes a phosphatidylcholine-specific phospholipase which catalyzes the hydrolysis of phosphatidylcholine in order to yield phosphatidic acid and choline. The enzyme may play a role in signal transduction and subcellular trafficking. Alternative splicing results in multiple transcript variants with both catalytic and regulatory properties. [provided by RefSeq, Sep 2011]
UniProt Comments for PLD1	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 ().
Research Articles on PLD1	**1.** In hearts of PLD1 knockout mice, we detected marked tricuspid regurgitation, right atrial enlargement, and increased flow velocity, narrowing and thickened leaflets of the pulmonic valve. CONCLUSIONS: The findings support a role for PLD1 in normal heart valvulogenesis.
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