

## PLD1 Antibody | anti-PLD1 antibody

PLD1 (Phospho-Thr147) Antibody

|                               |                                        |                                            |
|-------------------------------|----------------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA109562</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|----------------------------------------|--------------------------------------------|

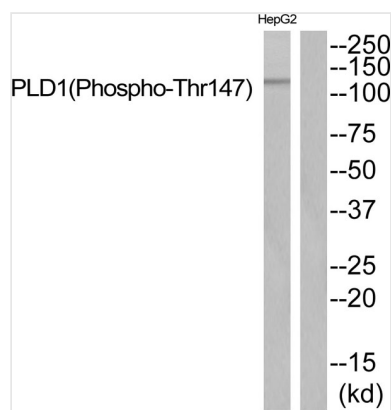
### PRODUCT SYNONYMS

PLD1; PLD1 (Phospho-Thr147) Antibody; Phospholipase D1; PLD 1; hPLD1; EC=3.1.4.4; Choline phosphatase 1; Phosphatidylcholine-hydrolyzing phospholipase D1; anti-PLD1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                    | PLD1 (Phospho-Thr147) antibody detects endogenous levels of PLD1 only when phosphorylated at threonine 147.                                                                                                                                         |
| Purity/Purification                            | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                    | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                | 1074                                                                                                                                                                                                                                                |
| Applicable Applications for anti-PLD1 antibody | ELISA, WB (Western Blot)                                                                                                                                                                                                                            |
| Immunogen                                      | The antiserum was produced against synthesized phosphopeptide derived from human PLD1 around the phosphorylation site of threonine 147.                                                                                                             |
| All Sites                                      | Human: Thr147<br>Mouse: Thr147<br>Rat: Thr147                                                                                                                                                                                                       |
| Preparation and Storage                        | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using PLD1 (Phospho-Thr147) antibody.

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-PLD1 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                       | Hammond S.M., J. Biol. Chem. 272:3860-3868(1997) [PubMed: 9013646]. Steed P.M., FASEB J. 12:1309-1317(1998) [PubMed: 9761774]. Lopez I., J. Biol. Chem. 273:12846-12852(1998) [PubMed: 9582313].                  |

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                 | 112,184 Da                 |
| 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               |

**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/human-mouse-rat-antibody/pld1/109562>