PLD1 (Phospho-Thr147) Antibody

Catalog No: #11818

Package Size: #11818-1 50ul #11818-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

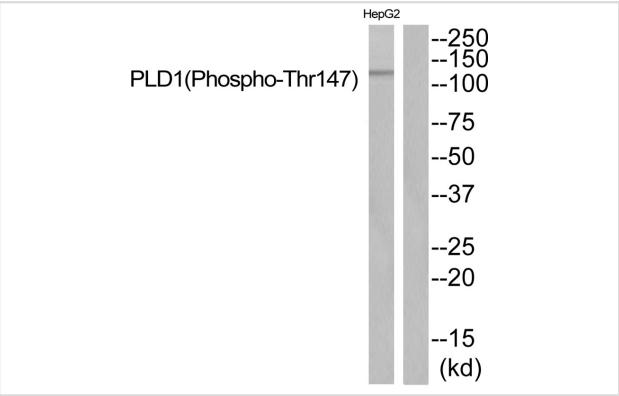
Description

Product Name	PLD1 (Phospho-Thr147) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of PLD1 only when phosphorylated at threonine 147.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 147(R-H-T(p)-F-R) derived from Human PLD1.
Target Name	PLD1
Modification	Phospho
Other Names	PLD 1; hPLD1; Choline phosphatase 1;
Accession No.	Swiss-Prot#: Q13393; NCBI Gene#: 5337; NCBI Protein#: NP_002653.1.
Uniprot	Q13393
GeneID	5337;
SDS-PAGE MW	120kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HepG2 cells using PLD1 (Phospho-Thr147) Antibody #11818.The lane on the right is treated with the antigen-specific peptide.

Background

Phosphatidylcholine (PC)-specific phospholipases D (PLDs; EC 3.1.4.4) catalyze the hydrolysis of PC to produce phosphatidic acid and choline. A range of agonists acting through G protein-coupled receptors and receptor tyrosine kinases stimulate this hydrolysis. PC-specific PLD activity has been implicated in numerous cellular pathways, including signal transduction, membrane trafficking, and the regulation of mitosis.

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].

Note: This product is for in vitro research use only