Data Sheet (Cat.No.TMAC-03377)

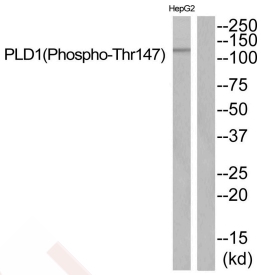
Anti-Phospho-PLD1 (Thr147) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Actual: 120 kDa.
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

Verified Activity: 1. Western blot analysis of extracts from HepG2 cells using PLD1 (Phospho-Thr147) Antibody TMAC-03377. The lane on the right is treated with the antigen-specific peptide.



Application:	WB
Recommended	WB: 1:500-1000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 147(R-H-T(p)-F-R) derived from Human PLD1
Antigen Species:	Human
Uniprot ID:	Q13393
Synonyms:	PLD1 (p-Thr147);p-PLD1 (Thr147);p-PLD1 (T147);PLD1 (p-T147)

Research 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.

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