PLD1 (Phospho-Thr147) Conjugated Antibody

Catalog No: #C11818

Package Size: #C11818-AF350 100ul #C11818-AF405 100ul #C11818-AF488 100ul #C11818-AF555 100ul #C11818-AF594 100ul #C11818-AF647 100ul #C11818-AF680 100ul #C11818-AF750 100ul #C11818-Biotin 100ul

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Description

Product Name	PLD1 (Phospho-Thr147) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of PLD1 only when phosphorylated at threonine 147.
Immunogen Description	Peptide sequence around phosphorylation site of threonine 147(R-H-T(p)-F-R) derived from Human PLD1.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	PLD 1;hPLD1; Choline phosphatase 1
Accession No.	Swiss-Prot#:Q13393NCBI Gene ID:5337NCBI mRNA#:NM_002662.4. NCBI Protein#:NP_002653.1.
Uniprot	Q13393
GeneID	5337;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	120
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

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.

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.

Note: This product is for in vitro research use only