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For Research	Use Only	. Not for Use i	n Diagnostic	Procedures.
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Applications: Re WB	eactivity: Sensitivity H M R Endogenou		Source: Rabbit	UniProt ID: #Q13393	Entrez-Gene Id 5337			
Product Usage Information	Application Western Blotting			Dilution 1:1000				
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliguot the antibody.						
Specificity / Sensitivit		Phospho-PLD1 (Thr147) Antibody detects endogenous levels of PLD1 only when phosphorylated at threonine 147. This antibody does not cross-react with phosphorylated PLD2.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Thr147 of human PLD1. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	choline and phosph Two isoforms of PL small GTPases and	natidic acid (PA). PA is t .D (PLD1 and PLD2) ha	he precursor of the s we been identified so psphorylated at Ser2	es phosphatidylcholine (second messenger, diac o far. Both are regulated c, Ser561, and Thr147 b r (3).	cylglycerol (DAG). I by protein kinases,			
Background Referenc	2. Kim, Y. et al. (19	 Exton, J.H. (1999) Biochim. Biophys. Acta. 1439, 121-133. Kim, Y. et al. (1999) <i>Biochemistry</i> 38, 10344-51. Kim, Y. et al. (2000) J. Biol. Chem. 275, 13621-13627. 						
Species Reactivity	Species reactivity is	determined by testing	n at least one appro	ved application (e.g., we	estern blot).			
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key	WB: Western Blotti	ng						
Cross-Reactivity Key	X: Xenopus Z: zebra	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected						
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Phospho-PLD1 (Thr147) Antibody (#3831) Datasheet Without Images Cell Signaling Technology

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