୍ଦ ନ୍ Phospho-P ଝ Antibody ୧	LCγ2 (Tyı	r <b>1217)</b>			T E	<b>ll Signaling</b> снмогоду <sup>®</sup>
Sto					Orders:	877-616-CELL (2355) orders@cellsignal.com
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	lat far Llas in D	ionnoctio Droco	duraa	3 Trask I	ane Danvers Ma	ssachusetts   01923   USA
Applications: WB	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 150	Source: Rabbit	UniProt ID: #P16885	Entrez-Gene Id: 5336
Product Usage	Annli	cation			Dilution	
Information	West	ern Blotting			1:1000	
Storage	Suppli 20°C.	ed in 10 mM sodi Do not aliquot the	um HEPES (pH 7.5) e antibody.	), 150 mM NaCl, 100	μg/ml BSA and 50%	glycerol. Store at –
Specificity / Sensitiv	<b>/ity</b> Phosp tyrosin	ho-PLCgamma2 le 1217. This anti	(Tyr1217) Antibody body does not cross	detects endogenous -react with phospho	levels of PLCgamma rylated PLCgamma1	a2 phosphorylated at
Species predicted to react based on 1009 sequence homology	0 Rat 6 /:					
Source / Purificatior	Polycle to resident	onal antibodies ar dues surrounding chromatography	re produced by imm Tyr1217 of human	unizing animals with PLCgamma2. Antibo	a synthetic phospho dies are purified by p	peptide corresponding protein A and peptide
Background	Phosp respor phosp triphos PLCy, subfar Phosp Ser110 this ph nonrec PLCy Tyr771 PLCga platele PLCga	hoinositide-speci hoinositide-speci hatidylinositol 4,5 sphate (IP3) and c PLC5 and PLC2. nily are activated horylation is one 05 by PKA or PKC osphorylation ma ceptor tyrosine kir forms a complex 4, 783 and 1248 ( anma2 is engage ets. Phosphorylati anma2 activity (9 per WD, et al. (19	fic phospholipase C ar stimuli such as ho -bisphosphate (PIP2 diacylglycerol (DAG) The PLC $\beta$ subfamil by $\alpha$ - or $\beta$ -y-subunit of the key mechanis C inhibits PLC $\beta$ 3 act y contribute to the k hases (6). with EGF and PDGF 7). Phosphorylation d in antigen-depend on by Btk or Lck at t (10).	(PLC) plays a signifi rmones, growth factor (1). At least four far y includes four mem s of the heterotrimer sms that regulates th ivity (4,5). Ser537 of pasal activity of PLC( receptors, which le by Syk at Tyr783 act lent signaling in B ce yrosines 753, 759, 1 hem 66, 475-509	cant role in transmer prs and neurotransmer econdary messengers nilies of PLCs have b bers, PLC $\beta$ 1-4. All for ic G-proteins (2,3). e activity of PLC. Pho PLC $\beta$ 3 is phosphory 33. PLC $\gamma$ is activated ads to the phosphory tivates the enzymatic and collagen-depe 197 and 1217 is corr	mbrane signaling. In itters, PLC hydrolyzes s: inositol 1,4,5- been identified: PLCβ, our members of the osphorylation of vlated by CaMKII, and by both receptor and vlation of PLCγ at e activity of PLCγ1 (8). indent signaling in elated with
Background Refere	1. Sing 2. Smr 3. Tayl 4. Yue 5. Yue 6. Mar 7. Kim 8. War 9. Wat 10. Ozd	yer, w.D. et al. (19 cka, A.V. et al. (19 or, S.J. et al. (1998) , C. et al. (1998) , C. et al. (2000) golis, B. et al. (1991) , H.K. et al. (1991) anabe, D. et al. (2000) ener, F. et al. (2000)	<ul> <li>39 () Annu Rev Bioc</li> <li>991) Science 251, 8</li> <li>991) Nature 350, 516</li> <li>1 Biol Chem 273, 18</li> <li>1 Biol Chem 275, 30</li> <li>89) Cell 57, 1101-7</li> <li>201 65, 435-41.</li> <li>2001) J. Biol. Chem.</li> <li>2001) J. Biol. Chem.</li> <li>2001) Mol. Pharmacol.</li> </ul>	90-7. 226, 38595-38601. 62, 672-679.		
Species Reactivity	Species	s reactivity is dete	ermined by testing in	at least one approv	ed application (e.g., v	western blot).
Western Blot Buffer	IMPOR 0.1% Tv	TANT: For wester ween® 20 at 4°C	n blots, incubate mo with gentle shaking	embrane with diluted , overnight.	primary antibody in	5% w/v BSA, 1X TBS,

1/1/24, 8:55 AM Applications Key Cross-Reactivity Key	<ul> <li>Phospho-PLCγ2 (Tyr1217) Antibody (#3871) Datasheet Without Images Cell Signaling Technology WB: Western Blotting</li> <li>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</li> </ul>
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