Phospho-PLCγ2 (Tyr759) Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

	Application Western Blotting			Dilution 1:1000	
				1.1000	
	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
sitivity	Phospho-PLCgamma2 (Tyr759) Antibody detects endogenous levels of PLCgamma2 only when phosphorylated at tyrosine 759. The antibody does not cross-react with phosphorylated PLCgamma1.				
ation	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr759 of human PLCgamma2. Antibodies are purified by protein A and peptide affinity chromatography.				
	response to extracelluhydrolyzes phosphaticinositol 1,4,5-triphospidentified: PLCβ, PLCβ members of the subface (2,3).Phosphorylation of Ser1105 by PKA or and this phosphorylatice which leads to the phosphoryle in the pho	ular stimuli such as dylinositol 4,5-bisplotate (IP3) and diacon PLCs. The amily are activated is one of the key m PKC inhibits PLCβ3 tion may contribute tyrosine kinasosphorylation of PL	hormones, growth factonosphate (PIP2) to generylglycerol (DAG) (1). At less e PLCβ subfamily included by α- or β-γ-subunits of the echanisms that regulate activity (4,5). Ser537 of Ferto the basal activity of Ferto (6). PLCγ forms a compCγ at Tyr771, 783 and 12	rs and neurotransn rate two secondary east four families of es four members, F the heterotrimeric C es the activity of PLC PLCβ3 is phosphoryl PLCβ3. PLCγ is activation	nitters, PLC messengers: PLCs have been PLCβ1-4. All four G-proteins The Phosphorylation ated by CaMKII, ated by both DGF receptors,
	platelets. Phosphoryla	ation by Btk or Lck a			
eferences	2. Smrcka, A.V. et al. (1 3. Taylor, S.J. et al. (199 4. Yue, C. et al. (1998) 5. Yue, C. et al. (2000)	1991) <i>Science</i> 251, 8 91) <i>Nature</i> 350, 516 <i>J Biol Chem</i> 273, 18 <i>J Biol Chem</i> 275, 30 1989) <i>Cell</i> 57, 1101-7 11) <i>Cell</i> 65, 435-41.	or) Science 251, 804-7. Nature 350, 516-8. Viol Chem 273, 18023-7. Viol Chem 275, 30220-5. 9) Cell 57, 1101-7.		
	sitivity	phosphorylated at tyreation Polyclonal antibodies corresponding to resiprotein A and peptide Phosphoinositide-speresponse to extracelly hydrolyzes phosphatiinositol 1,4,5-triphospidentified: PLCβ, PLCβ members of the subfactorial subfac	phosphorylated at tyrosine 759. The antication Polyclonal antibodies are produced by imcorresponding to residues surrounding Tyrotein A and peptide affinity chromatogon Phosphoinositide-specific phospholipase response to extracellular stimuli such as hydrolyzes phosphatidylinositol 4,5-bisphinositol 1,4,5-triphosphate (IP3) and diactidentified: PLCβ, PLCγ, PLCδ and PLCε. The members of the subfamily are activated (2,3).Phosphorylation is one of the key more for fer 1105 by PKA or PKC inhibits PLCβ3 and this phosphorylation may contribute receptor and nonreceptor tyrosine kinase which leads to the phosphorylation of PL Tyr783 activates the enzymatic activity of PLCgamma2 is engaged in antigen-dependent platelets. Phosphorylation by Btk or Lck at PLCgamma2 activity (9,10). PLCgamma2 activity (9,10). 1. Singer, W.D. et al. (1997) Annu Rev Biode 2. Smrcka, A.V. et al. (1991) Nature 350, 516 4. Yue, C. et al. (1998) J Biol Chem 273, 18 5. Yue, C. et al. (2000) J Biol Chem 275, 30	phosphorylated at tyrosine 759. The antibody does not cross-real Polyclonal antibodies are produced by immunizing animals with corresponding to residues surrounding Tyr759 of human PLCgar protein A and peptide affinity chromatography. Phosphoinositide-specific phospholipase C (PLC) plays a significa response to extracellular stimuli such as hormones, growth factor hydrolyzes phosphatidylinositol 4,5-bisphosphate (PIP2) to generi inositol 1,4,5-triphosphate (IP3) and diacylglycerol (DAG) (1). At least identified: PLCβ, PLCγ, PLCδ and PLCε. The PLCβ subfamily included members of the subfamily are activated by α- or β-γ-subunits of (2,3). Phosphorylation is one of the key mechanisms that regulate of Ser1105 by PKA or PKC inhibits PLCβ3 activity (4,5). Ser537 of Fand this phosphorylation may contribute to the basal activity of Freceptor and nonreceptor tyrosine kinases (6). PLCγ forms a comparison of PLCγ at Tyr771, 783 and 12 Tyr783 activates the enzymatic activity of PLCγ1 (8). PLCgamma2 is engaged in antigen-dependent signaling in B cell platelets. Phosphorylation by Btk or Lck at tyrosines 753, 759, 119 PLCgamma2 activity (9,10).	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphororesponding to residues surrounding Tyr759 of human PLCgamma2. Antibodies a protein A and peptide affinity chromatography. Phosphoinositide-specific phospholipase C (PLC) plays a significant role in transmer response to extracellular stimuli such as hormones, growth factors and neurotransn hydrolyzes phosphatidylinositol 4,5-bisphosphate (PIP2) to generate two secondary inositol 1,4,5-triphosphate (IP3) and diacylglycerol (DAG) (1). At least four families of identified: PLCβ, PLCγ, PLCδ and PLCε. The PLCβ subfamily includes four members, F members of the subfamily are activated by α- or β-γ-subunits of the heterotrimeric (2,3).Phosphorylation is one of the key mechanisms that regulates the activity of PLC of Ser1105 by PKA or PKC inhibits PLCβ3 activity (4,5). Ser537 of PLCβ3 is phosphoryl and this phosphorylation may contribute to the basal activity of PLCβ3. PLCγ is activity receptor and nonreceptor tyrosine kinases (6).PLCγ forms a complex with EGF and P which leads to the phosphorylation of PLCγ at Tyr771, 783 and 1248 (7). Phosphorylation for PLCγ at Tyr771, 783 and 1248 (7). Phosphorylation by Btk or Lck at tyrosines 753, 759, 1197 and 1217 is correplications. Phosphorylation by Btk or Lck at tyrosines 753, 759, 1197 and 1217 is correplications. Phosphorylation by Btk or Lck at tyrosines 753, 759, 1197 and 1217 is correplications. Phosphorylation by Btk or Lck at tyrosines 753, 759, 1197 and 1217 is correplications. Phosphorylation by Btk or Lck at tyrosines 753, 759, 1197 and 1217 is correplication. Phosphorylation by Btk or Lck at 1991, 800 phosphorylation 66, 475-509. 2. Smrcka, AV. et al. (1991) Science 251, 804-7. 3. Taylor, S.J. et al. (1991) Science 251, 804-7. 3. Taylor, S.J. et al. (1991) Science 251, 804-7. 5. Yue, C. et al. (2000) J Biol Chem 273, 18023-7. 5. Yue, C. et al. (2000) J Biol Chem 273, 18023-7.

Species Reactivity Spe

Species reactivity is determined by testing in at least one approved application (e.g., western 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 W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse

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