

13857

Phospho-PI3 Kinase Class III (Ser249) Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures

Applications: W	Reactivity: H	Sensitivity: Transfected Only	MW (kDa): 100	Source/Isotype: Rabbit	UniProt ID: #Q8NEB9	Entrez-Gene Id: 5289
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		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.				
Specificity/Sensitivity		Phospho-PI3 Kinase Class III (Ser249) Antibody recognizes transfected levels of PI3 kinase class III protein only when phosphorylated at Ser249.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser249 of human PI3 kinase class III protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		PI3K class III catalyzes phosphatidylinositol-3 identified in yeast. PI3 Vps15, which regulates several proteins with F sorting (4). Moreover, I and the mTOR nutrien	the phosphorylati -phosphate (PIP3) K class III interacts s cellular membrar YVE or PX domains PI3K class III has b t-sensing pathway	3-kinases (PI3K) have be on of phosphatidylinosit (1). PI3K class III is the n with the regular subuni he association through n is to membranes regulati een shown to regulate a (5). Ited at Ser249 by the aut	tol at the D3 position ammalian homolo it p150, the mammal in p150, the mammal in p150, the mammal in p150, the p150	n, producing g of Vps34, first alian homolog of PIP3 recruits ort and protein G-protein signaling,
Background References		 Odorizzi, G. et al. (2000) Trends Biochem Sci 25, 229-35. Panaretou, C. et al. (1997) J Biol Chem 272, 2477-85. Kihara, A. et al. (2001) J Cell Biol 152, 519-30. Corvera, S. (2001) Traffic 2, 859-66. Yan, Y. and Backer, J.M. (2007) Biochem Soc Trans 35, 239-41. Egan, D.F. et al. (2015) Mol Cell, . 				
Species Reactivity		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				

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