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PI4 Kin	ase Antiboo	лу			TE	ll Signalin сниогоду ^е
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Applications: W, IP, IF-IC	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 230	Source/Isotype: Rabbit	UniProt ID: #P42356	Entrez-Gene Id 5297			
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence		istry)		Dilution 1:1000 1:50 1:100			
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 aliquot the antibody.							
Specificity/Sensitivity		PI4 Kinase Antibody detects endogenous levels of total PI4 Kinase isoform 230.							
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the human sequence of PI4 Kinase. Antibodies are purified by protein A and peptide affinity chromatography.							
Background		growth factors and no phosphatidylinositol of phosphorylated to ph by phospholipase C, p (IP3) and diacylglycer been characterized at PI4 kinases were clas membranes and cellu endoplasmatic reticul endoplasmatic reticul	eurotransmitters. Pl (PI) to phosphatidyli osphatidylinositol- oroducing the two ir ol (DAG) (1). PI4K23 nd classified accordi sified into type II an lar compartments s um and outer mem um, and PI4K55 at ssed in brain and m	role in intracellular sign hosphatidylinositol 4-kin nositol-4-phosphate (PIP2), tracellular second mess), PI4K92 and PI4K55 are ng to their molecular we d III enzymes (2). All isof ruggesting various tasks branes of mitochondria, he plasma membrane a oderately sensitive to wo ts (3, 6).	ase phosphorylate b) In a second step and PIP2 is subsec engers, inositol 1,4 three PI4 kinase i ights of 230, 92 ar orms are located c PI4K230 is located PI4K92 at the Gol nd endosomes (3-5	s b, PIP is further juently hydrolyzed 4,5-triphosphate soforms that have nd 55 kD. Previously, on distinct d at the gi apparatus and 5). PI4K230 is			
Background References		1. Wong, K. and Cantl 2. Heilmeyer Jr., L. M. 3. Balla, A. et al. (2000 4. Nakagawa, T. et al. 5. Balla, A. et al. (2002 6. Pelyvas, I. F. et al. (et al. (2003) <i>IUBMB</i>)) <i>Exp. Brain Res.</i> 13 (1996) <i>Biochem. J.</i> 3 !) <i>J. Biol. Chem.</i> 277,	4, 279-288. 20, 643-649. 20041-20050.	4.				
Species Reactiv	/ity	Species reactivity is d	etermined by testin	g in at least one approve	d 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 Ke	ey	W: Western Blotting I	P: Immunoprecipita	ation IF-IC: Immunofluor	escence (Immuno	cytochemistry)			
Cross-Reactivity Key		H: Human M: Mouse R: Rat							
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