e at -20C	PI3 Kinase p110y Antibody		Cell Signaling	
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Eor Research Lise Only	/ Not for Lise i	in Diagnostic Procedures.
FUI RESEAICII USE UIII	, NULIUI USE I	in Diagnostic Frocedures.

Applications: WB	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 110	Source: Rabbit	UniProt ID: #P48736	Entrez-Gene Id: 5294		
Product Usage Information	•	plication			Dilution			
	VVe	estern Blotting			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 aliquot the antibody.						
Specificity / Sensitivity		PI3 Kinase p110y Antibody detects endogenous levels of total PI3 kinase p110y protein.						
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to human p110gamma. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	phc 4,5- coo anc can reg isol In c	sphorylating phosph bisphosphate (PIP ₂) rdinates cell growth, research studies ha cers that have loss c ulatory subunit. Varic ated, and the regulat	atidylinositol (PI), p b. Growth factors and cell cycle entry, ce twe shown that the of function of PTEN bus isoforms of the tory subunits that a ciates with a p101 of	bhosphatidylinositol- nd hormones trigger ell migration, and cel PI3K signaling pathy I (2). PI3Ks are com catalytic subunit (p1 ssociate with p1100 regulatory subunit th	bhosphatidylinositol-3,4,5 4-phosphate (PIP), and this phosphorylation even I survival (1). PTEN reverse way is constitutively active posed of a catalytic subultion, p110 β , p110 γ , and t, p110 β , p110 γ , and t, p110 β , and p110 δ are that is unrelated to p85. F	phosphatidylinositol- ent, which in turn erses this process, vated in human unit (p110) and a I p110δ) have been p85α and p85β (3).		
Background Refer	2. S 3. N	 Cantley, L.C. (2002) Science 296, 1655-7. Simpson, L. and Parsons, R. (2001) Exp Cell Res 264, 29-41. Neri, L.M. et al. (2002) Biochim Biophys Acta 1584, 73-80. Stoyanov, B. et al. (1995) Science 269, 690-3. 						
Species Reactivity	Spec	cies reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	estern blot).		
Western Blot Buff	••	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 Blotting						
Cross-Reactivity F	X : X	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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PI3 Kinase p110 γ Antibody (#4252) Datasheet Without Images Cell Signaling Technology

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