

Phospho-PDGF Receptor β (Tyr751) (C63G6) Rabbit mAb



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Applications: W	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 190	Source/Isotype: Rabbit IgG	UniProt ID: #P09619	Entrez-Gene Id: 5159
Product Usage Information	1	Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				ol and less than
Specificity/Sen	sitivity	Phospho-PDGF Receptor β (Tyr751) (C63G6) Rabbit mAb detects endogenous levels of PDGF receptor only when phosphorylated at Tyr751.The antibody may cross-react with activated PDGF receptor α and other protein tyrosine kinases when highly overexpressed.				
Species predict based on 100% homology		Rat				
Source / Purific	cation	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr751 of human PDGF receptor β .				
Background		isoforms (PDGF ĀA, PE closely related recepto PDGFRα and PDGFRβ domains, while the kir homology (1). PDGFRα homodimers bind PDG PDGF receptor α/β bin PDGFRα and PDGFRβ Various cells differ in t which may account for induces receptor dime cytoplasmic SH2 doma PLCγ, and NCK. A num lead to control of cell g kinase-insert region of derived from Tyr751 o	DGF AB, PDGF BB, F or tyrosine kinases, share 75% to 85% s hase insert and carl thomodimers bind GF BB and DD isofo ds PDGF B, C, and can each form hete the total number of responsive differe rization and autop ain-containing sign iber of different sig growth, actin reorg f PDGFRβ is the do f PDGFRβ (pTyr751 of the p85 subunit	nily proteins exist as sev DGF CC, and PDGF DD) f PDGF receptor α (PDGF sequence homology bets boxy-terminal tail region all PDGF isoforms exceptrms, as well as the PDGF D homodimers, as well as erodimers with EGFR, wh receptors present and is ences among cell types t hosphorylation, follower al transduction molecule naling pathways are init anization, migration, an cking site for PI3 kinase -Val-Pro-Met-Leu) inhibitio of PI3 kinase with PDGF 8).	that bind in a specif Rq) and PDGF recep ween their two intra is display a lower lev pt those containing F AB heterodimer. Tl as the PDGF AB heter in the receptor subu o PDGF binding (4). d by binding and ac es, such as GRB2, Sr itated by activated P d differentiation (5). (6). Phosphorylated t the association of	ic pattern to two btor β (PDGFRβ). acellular kinase vel (27% to 28%) of PDGF D. PDGFRβ he heteromeric erodimer (2). I by PDGF (3). unit composition, Ligand binding tivation of rc, GAP, PI3 kinase, DGF receptors and . Tyr751 in the pentapeptides the carboxy-
Background Re	eferences	1. Deuel, T.F. et al. (198 2. Bergsten, E. et al. (2 3. Betsholtz, C. et al. (2 4. Coughlin, S.R. et al. 5. Ostman, A. and Helt 6. Panayotou, G. et al. 7. Ramalingam, K. et al. 8. Kashishian, A. et al.	001) Nat. Cell Biol. 2001) Bioessays 23, (1988) Prog. Clin. E din, C.H. (2001) Adv (1992) EMBO J. 11, I. (1995) Bioorg. M	3, 512-516. 494-507. <i>Biol. Res.</i> 266, 39-45. <i>J. Cancer Res.</i> 80, 1-38. 4261-4272. <i>ed. Chem.</i> 3, 1263-1272.		
Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	Buffer			membrane with diluted with gentle shaking, ove		ו 5% w/v nonfat
Applications K	ey	W: Western Blotting				

Cross-Reactivity Key	H: Human M: Mouse	
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