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## Phospho-PDGF Receptor α (Tyr849)/PDGF Receptor β (Tyr857) (C43E9) Rabbit mAb



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Applications: W, IP	<b>Reactivity:</b> H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 190	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #P16234, #P09619	Entrez-Gene Id: 5156, 5159
Product Usage Information Storage	2	Application Western Blotting Immunoprecipitation Supplied in 10 mM sod 0.02% sodium azide. St		5), 150 mM NaCl, 100 μ		and less than
Specificity/Ser	nsitivity	For a carrier free (BSA and azide free) version of this product see product #68236. Phospho-PDGF Receptor $\alpha$ (Tyr849)/PDGF Receptor $\beta$ (Tyr857) (C43E9) Rabbit mAb detects endogenous levels of PDGF receptor $\alpha$ and $\beta$ only when phosphorylated on Tyr849 of PDGFR $\alpha$ and Tyr857 of PDGFR $\beta$ . This antibody may cross-react with other activated tyrosine kinases.				
Source / Purifi	cation	Monoclonal antibody is corresponding to resid				otide
Background		Platelet derived growth isoforms (PDGF AA, PD closely related recepto PDGFRα and PDGFRβ s domains, while the kin homology (1). PDGFRα homodimers bind PDG PDGF receptor α/β bin PDGFRα and PDGFRβ c Various cells differ in th 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 of terminal SH2 domain c PDGFRβ-mediated PI3	n factor (PDGF) fan GF AB, PDGF BB, P r tyrosine kinases, hare 75% to 85% s ase insert and carl homodimers bind is BB and DD isofo ds PDGF B, C, and can each form hete ne total number of responsive different rization and autop in-containing sign ber of different sig prowth, actin reorg PDGFRβ is the dou PDGFRβ is the dou PDGFRβ (pTyr751 of the p85 subunit	hily proteins exist as se DGF CC, and PDGF DD PDGF receptor α (PDG equence homology be ooxy-terminal tail rego all PDGF isoforms exce rms, as well as the PDC D homodimers, as well erodimers with EGFR, w receptors present and ences among cell types hosphorylation, follow al transduction molecu naling pathways are in anization, migration, a cking site for PI3 kinase -Val-Pro-Met-Leu) inhit of PI3 kinase with PDG	veral disulphide-bonde that bind in a specific FRa) and PDGF recepto tween their two intrace ept those containing Pl FAB heterodimer. The as the PDGF AB heterod hich is also activated b in the receptor subun to PDGF binding (4). Li ed by binding and activ les, such as GRB2, Src, itiated by activated PD nd differentiation (5). T e (6). Phosphorylated p it the association of th	pattern to two or β (PDGFRβ). ellular kinase I (27% to 28%) of DGF D. PDGFRβ theteromeric odimer (2). y PDGF (3). it composition, gand binding vation of GAP, PI3 kinase, GF receptors and yr751 in the entapeptides e carboxy-
Background R	eferences	1. Deuel, T.F. et al. (198 2. Bergsten, E. et al. (20 3. Betsholtz, C. et al. (2 4. Coughlin, S.R. et al. ( 5. Ostman, A. and Helc 6. Panayotou, G. et al. ( 7. Ramalingam, K. et al. (	001) <i>Nat. Cell Biol.</i> 001) <i>Bioessays</i> 23, 1988) <i>Prog. Clin. E</i> lin, C.H. (2001) <i>Ad</i> u (1992) <i>EMBO J.</i> 11, . (1995) <i>Bioorg. M</i>	3, 512-516. 494-507. <i>Nol. Res.</i> 266, 39-45. <i>Cancer Res.</i> 80, 1-38. 4261-4272. <i>ed. Chem.</i> 3, 1263-1272	<u>.</u>	
Species Reacti	vity	Species reactivity is de	termined by testin	g in at least one approv	ved application (e.g., w	estern blot).
Western Blot B	Buffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a			d primary antibody in S	5% w/v BSA, 1X
Applications K	ley	W: Western Blotting IP	: Immunoprecipita	ation		

Cross-Reactivity Key	H: Human M: Mouse R: Rat
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