

Phospho-PDGF Receptor α (Tyr762) (D9B1N) Rabbit mAb



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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 190	Source/Isotype: Rabbit IgG	UniProt ID: #P16234	Entrez-Gene Id: 5156
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
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.				
Specificity/Sen	sitivity	Phospho-PDGF Receptor α (Tyr762) (D9B1N) Rabbit mAb recognizes endogenous levels of PDGF Receptor α protein only when phosphorylated at Tyr762. The antibody might cross react slightly with other overexpressed phosphorylated receptor tyrosine kinase such as EGFR.				
Species predic based on 100% homology		Mouse, Rat				
Source / Purifi	cation			nunizing animals with a s Tyr762 of human PDGF R		eptide
Background		isoforms (PDGF ÅA, 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 α 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 <u>G</u> Phosphorylation of PD LC-MS/MS platform for PDGFRα kinase domai	DGF AB, PDGF BB, P or tyrosine kinases, share 75% to 85% s ase insert and carl homodimers bind GF BB and DD isofo ds PDGF B, C, and can each form hete responsive differe rization and autop in-containing sign ber of different sig growth, actin reorg GFRq at Tyr762 wa r phosphorylation n. Phosphorylation	nily proteins exist as sever PDGF CC, and PDGF DD) to PDGF receptor a (PDGF) sequence homology betw poxy-terminal tail region all PDGF isoforms except rms, as well as the PDGF D homodimers, as well as erodimers with EGFR, wh receptors present and i ences among cell types to hosphorylation, followed al transduction molecule inaling pathways are init anization, migration, and is identified at Cell Signa site discovery (6). Tyr762 to f PDGFRa at this site w ion induction by growth	that bind in a specif Rq) and PDGF reception s display a lower level of those containing AB heterodimer. The sthe PDGF AB heterodimer. The isthe PDGF AB heterodimer. The sthe PDGF AB heterodimer. The or DGF binding (4). d by binding and ac set, such as GRB2, Sr iated by activated P d differentiation (5) ling Technology usi is located in the activated by as also reported by	ic pattern to two btor β (PDGFR β). acellular kinase vel (27% to 28%) of PDGF D. PDGFR β he heteromeric erodimer (2). I by PDGF (3). unit composition, Ligand binding tivation of rc, GAP, PI3 kinase, DGF receptors and ng PTMScan [®] , our tivation loop of the y several other labs
Background Ro	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 Helo 6. Rikova, K. et al. (200 7. Matsumoto, T. et al. 8. Yokote, K. et al. (199	001) <i>Nat Cell Biol</i> 3 001) <i>Bioessays</i> 23, (1988) <i>Prog Clin Bi</i> din, C.H. (2001) <i>Ad</i> 7) <i>Cell</i> 131, 1190-20 (2000) <i>Biochem Bi</i>	5, 512-6. 494-507. <i>ol Res</i> 266, 39-45. ∕ <i>Cancer Res</i> 80, 1-38. 03. iophys Res Commun 270	, 28-33.	
Species Reacti	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot E	Buffer	IMPORTANT: For weste TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ii	ו 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting IF	: Immunoprecipita	ation		

Cross-Reactivity Key	H: Human		
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