Revision 1					
Phospho-PDGF Receptor β (Tyr1021) (6F10) Rabbit mAb	and the second se	Cell Signaling			
Store	Order	rs: 877-616-CELL (2355) orders@cellsignal.com			
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Applications: W	<b>Reactivity:</b> H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 190	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P09619	Entrez-Gene Id: 5159
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 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/Sens	sitivity	Phospho-PDGF Receptor β (Tyr1021) (6F10) Rabbit mAb detects endogenous levels of PDGF receptor β only when phosphorylated at tyrosine 1021. The antibody may cross-react with other activated PDGF receptor family members and other activated protein tyrosine kinases including EGFR.			r activated PDGF	
Source / Purifica	ation	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr1021 of human PDGF receptor $\beta$ .			eptide	
Background		isoforms (PDGF AA, PI closely related recepte PDGFRα and PDGFRβ domains, while the kii homology (1). PDGFR homodimers bind PD PDGF receptor α/β bir PDGFRα and PDGFRβ Various cells differ in 1 which may account fo induces receptor dime cytoplasmic SH2 dom PLCγ, and NCK. A num lead to control of cell kinase-insert region o derived from Tyr751 of terminal SH2 domain PDGFRβ-mediated PI2 PDGF-stimulated PLC	DGF AB, PDGF BB, P or tyrosine kinases, share 75% to 85% s nase insert and cart a homodimers bind GF BB and DD isofo nds PDGF B, C, and I can each form hete the total number of r responsive differe erization and autop ain-containing sign, ber of different sig growth, actin reorg, of PDGFRβ is the doo of PDGFRβ (pTy751 of the p85 subunit 8 kinase activation (i y signalling is depen (8). It was also show	dent on autophosphory n that both Tyr1009 and	that bind in a specification of the PDGF reception of the process of the proces	ic pattern to two btor β (PDGFRβ). acellular kinase wel (27% to 28%) of PDGF D. PDGFRβ he heteromeric erodimer (2). I by PDGF (3). unit composition, Ligand binding tivation of c, GAP, PI3 kinase, PDGF receptors and . Tyr751 in the pentapeptides the carboxy- o required for 3 receptor at
Background Re	ferences	6. Panayotou, G. et al.	2001) Nat. Cell Biol. 2001) Bioessays 23, (1988) Prog. Clin. B din, C.H. (2001) Adv. (1992) EMBO J. 11, al. (1995) Bioorg. M. (1992) EMBO J. 11, . (1992) EMBO J. 11,	3, 512-516. 494-507. <i>iol. Res.</i> 266, 39-45. <i>: Cancer Res.</i> 80, 1-38. 4261-4272. <i>ed. Chem.</i> 3, 1263-1272. 1373-1382. 3911-9.		
Species Reactiv	ity	Species reactivity is de	etermined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Bu	uffer	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	v	W: Western Blotting				

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

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