Store at -20C

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PDGF Receptor β Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 190	Source/Isotype: Rabbit	UniProt ID: #P09619	Entrez-Gene Id: 5159
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM soc 20°C. Do not aliquot th		δ), 150 mM NaCl, 100 μg.	/ml BSA and 50% gly	/cerol. Store at –
Specificity/Sen	sitivity		ther unrelated prot	genous levels of PDGF re eins. The antibody may		
Source / Purifi	cation		oxy-terminal sequ	nmunizing animals with ence of human PDGF red raphy.		
Background		isoforms (PDGF ÅA, 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 fo induces receptor dime cytoplasmic SH2 doma PLCγ, and NCK. A num lead to control of cell of kinase-insert region o derived from Tyr751 o	DGF AB, PDGF BB, F por tyrosine kinases, share 75% to 85% s hase insert and carl t homodimers bind GF BB and DD isofo ds PDGF B, C, and can each form hete rization and number of the total number of r responsive different erization and autop ain-containing sign iber of different sig growth, actin reorg f PDGFRβ is the do of PDGFRβ (pTyr751 of the p85 subunit	nily proteins exist as sev PDGF CC, and PDGF DD) f PDGF receptor a (PDGF sequence homology betwo boxy-terminal tail region all PDGF isoforms exceptors, as well as the PDG D homodimers, as well a erodimers with EGFR, whe receptors present and is ences among cell types t hosphorylation, followed al transduction molecule naling pathways are init anization, migration, an cking site for PI3 kinase -Val-Pro-Met-Leu) inhibito f PI3 kinase with PDGF 8).	that bind in a specifi Rq) and PDGF recep ween their two intra is display a lower lev ot those containing F AB heterodimer. Th as the PDGF AB hete iich is also activated n the receptor subu o PDGF binding (4). d by binding and act as, such as GRB2, Sr iated by activated P d differentiation (5). (6). Phosphorylated t the association of t	ic pattern to two tor β (PDGFR β). icellular kinase vel (27% to 28%) of PDGF D. PDGFR β ne heteromeric erodimer (2). by PDGF (3). init composition, Ligand binding tivation of c, GAP, PI3 kinase, DGF receptors and .Tyr751 in the pentapeptides the carboxy-
Background R	eferences	6. Panayotou, G. et al.	2001) Nat. Cell Biol. 2001) Bioessays 23, (1988) Prog. Clin. E din, C.H. (2001) Adv (1992) EMBO J. 11, Il. (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 Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot E	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ir	ו 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting				
Cross-Reactivi	ty Key	H: Human M: Mouse F	R: Rat			

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