PDGF Receptor α (D13C6) XP[®] Rabbit mAb





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

Applications: W, IHC-P, IF-IC, FC- FP, FC-L	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 190	Source/Isotype: Rabbit IgG	UniProt ID: #P16234	Entrez-Gene Id: 5156
Product Usage Information		Application Western Blotting Immunohistochemist Immunofluorescence Flow Cytometry (Fixed Flow Cytometry (Live)	(Immunocytochem d/Permeabilized)	istry)		Dilution 1:1000 1:200 1:800 1:800 1:800
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.				
		For a carrier free (BSA	and azide free) ver	sion of this product see	oroduct #26899.	
Specificity/Sensitivity		PDGF Receptor α (D13C6) XP [®] Rabbit mAb detects endogenous levels of PDGF receptor α protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein corresponding to the PDGF receptor α extracellular domain.				
Background		isoforms (PDGF AA, P closely related recept PDGFRα and PDGFRβ domains, while the ki homology (1). PDGFR homodimers bind PD PDGF receptor α/β bin PDGFRα and PDGFRβ Various cells differ in which may account fc induces receptor dim cytoplasmic SH2 dom PLCγ, and NCK. A nun lead to control of cell kinase-insert region c	DGF AB, PDGF BB, P or tyrosine kinases, share 75% to 85% s nase insert and carb a homodimers bind GF BB and DD isofo nds PDGF B, C, and I can each form hete the total number of or responsive differe erization and autop ain-containing sign- nber of different sig growth, actin reorg. of PDGFRβ is the doc of PDGFRβ is the doc of the p85 subunit	ily proteins exist as seve DGF CC, and PDGF DD) t PDGF receptor α (PDGFF equence homology betw boxy-terminal tail regions all PDGF isoforms excep rms, as well as the PDGF D homodimers, as well a rodimers with EGFR, whi receptors present and in nces among cell types to hosphorylation, followed al transduction molecule naling pathways are initia anization, migration, and king site for PI3 kinase (Val-Pro-Met-Leu) inhibit of PI3 kinase with PDGFF 3).	hat bind in a specifica, and PDGF receptiveen their two intra- s display a lower lead those containing AB heterodimer. T is the PDGF AB heter the receptor subtor of PDGF binding (4). by binding and ac s, such as GRB2, St ated by activated F differentiation (5) 6). Phosphorylated the association of	fic pattern to two botor β (PDGFR β). acellular kinase vel (27% to 28%) of PDGF D. PDGFR β he heteromeric erodimer (2). d by PDGF (3). unit composition, Ligand binding tivation of rc, GAP, PI3 kinase, PDGF receptors and . Tyr751 in the I pentapeptides the carboxy-
Background Re	ferences	6. Panayotou, G. et al	2001) <i>Nat. Cell Biol.</i> 2001) <i>Bioessays</i> 23, (1988) <i>Prog. Clin. B</i> Idin, C.H. (2001) <i>Adv</i> . (1992) <i>EMBO J.</i> 11, al. (1995) <i>Bioorg. M</i> a	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.		
Species Reactiv	ity	Species reactivity is d	etermined by testing	g in at least one approve	d application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody i	n 5% w/v BSA, 1X

Applications Key	W: Western Blotting IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) FC-L: Flow Cytometry (Live)				
Cross-Reactivity Key	H: Human				
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