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Phospho-PDGF Receptor β (Tyr1021) (6F10) Rabbit mAb

Applications: WB	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 190	Source/Isotype: Rabbit IgG	UniProt ID: #P09619	Entrez-Gene Id: 5159
Product Usage Information	•	plication estern Blotting			Dilution 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.				
Specificity / Sensit	only	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.				
Source / Purification		noclonal antibody is p dues surrounding Ty		nunizing animals with a s PDGF receptor $β$.	synthetic phosphopept	ide corresponding to
Background	(PD rela and the PDC bind β bin can tota resp dime cont of d actin docl Val- kina PDC and	GF AA, PDGF AB, P ted receptor tyrosine PDGFRβ share 75% kinase insert and car GFRα homodimers b I PDGF BB and DD i nds PDGF B, C, and each form heterodin I number of receptors bonsive differences a erization and autoph taining signal transdu ifferent signaling path n reorganization, mig king site for PI3 kinas Pro-Met-Leu) inhibit use with PDGFRβ (7) GF-stimulated PLCy	DGF BB, PDGF kinases, PDGF to 85% sequer boxy-terminal ta ind all PDGF iso soforms, as well D homodimers, hers with EGFR, s present and in mong cell types osphorylation, for uction molecules hways are initiation gration, and differ se (6). Phosphor the association of the association of the association of the association of the association of the associa	mily proteins exist as se CC, and PDGF DD) that receptor α (PDGFR α) a ice homology between t il regions display a lower forms except those com- as the PDGF AB heter as well as the PDGF AB which is also activated the receptor subunit con- to PDGF binding (4). Li- illowed by binding and a s, such as GRB2, Src, G ed by activated PDGF re- rentiation (5). Tyr751 in rylated pentapeptides de- of the carboxy-terminal s- required for PDGFR β -m endent on autophosphor both Tyr1009 and Tyr10.	the bind in a specific path and PDGF receptor β (independent of the problem of	tern to two closely PDGFRβ). PDGFRα inase domains, while of homology (1). FRβ homodimers ric PDGF receptor α/ GFRα and PDGFRβ cells differ in the account for receptor ic SH2 domain- and NCK. A number ontrol of cell growth, on of PDGFRβ is the PDGFRβ (pTyr751- 5 subunit of PI3 tivation (8). receptor at Tyr1009
Background Refer	2. B 3. B 4. C 5. O 6. P 7. R 8. K 9. R	estman, A. and Heldir anayotou, G. et al. (1	01) Nat. Cell Bio 01) Bioessays 2 1988) Prog. Clin. n, C.H. (2001) Ad 1992) EMBO J. 2 (1995) Bioorg. N 1992) EMBO J. 1 1992) EMBO J 1	N. 3, 512-516. 23, 494-507. . Biol. Res. 266, 39-45. dv. Cancer Res. 80, 1-38 11, 4261-4272. Med. Chem. 3, 1263-127 11, 1373-1382. .1, 3911-9.		
Species Reactivity	Spec	cies reactivity is deter	rmined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffe		DRTANT: For western Tween® 20 at 4°C v		membrane with diluted ng, overnight.	primary antibody in 5%	6 w/v BSA, 1X TBS,

1/1/24, 12:41 PM	Phospho-PDGF Receptor β (Tyr1021) (6F10) Rabbit mAb (#2227) Datasheet Without Images Cell Signaling WB: Western Blotting
Applications Key Cross-Reactivity	
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