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Phospho-PDGF Receptor β (Tyr751) (88H8) Mouse mAb

Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 190	Source/Isotype: Mouse IgG2b	<b>UniProt ID:</b> #P09619	Entrez-Gene Id: 5159
Product Usage Information	We	plication estern Blotting munoprecipitation			<b>Dilution</b> 1:1000 1:100	
Storage		•		7.5), 150 mM NaCl, 100 o not aliquot the antibody		erol and less than
Specificity / Sensi	only	Phospho-PDGF Receptor $\beta$ (Tyr751) (88H8) Mouse mAb detects endogenous levels of PDGF receptor $\beta$ only when phosphorylated at tyrosine 751. The antibody may cross-react with PDGF receptor $\alpha$ when highly overexpressed.				
Source / Purificati	ion Mor resi	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr751 of human PDGF receptor $\beta$ .				
Background	(PD rela and the PDC bind β bin can tota resp dime cont of d actin docl Val-	GF AA, PDGF AB, P ted receptor tyrosine PDGFRβ share 75% kinase insert and car GFRα homodimers bi I PDGF BB and DD is nds PDGF B, C, and each form heterodim I number of receptors bonsive differences a erization and autopho taining signal transdu ifferent signaling path n reorganization, mig king site for PI3 kinas Pro-Met-Leu) inhibit	DGF BB, PDGF kinases, PDGF to 85% sequer boxy-terminal taind all PDGF iso soforms, as well D homodimers, hers with EGFR, s present and in mong cell types pophorylation, for uction molecules hways are initiat ration, and diffe se (6). Phosphor the association	mily proteins exist as see CC, and PDGF DD) that receptor $\alpha$ (PDGFR $\alpha$ ) at ince homology between t ill regions display a lowe forms except those con- as the PDGF AB heter as well as the PDGF AI which is also activated the receptor subunit co- to PDGF binding (4). Li- ollowed 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 required for PDGFRβ-m	at bind in a specific pat and PDGF receptor β (i heir two intracellular ki er level (27% to 28%) of taining PDGF D. PDGI odimer. The heteromer 3 heterodimer (2). PDG by PDGF (3). Various mposition, which may a gand binding induces activation of cytoplasmi AP, PI3 kinase, PLCγ, eceptors and lead to ca the kinase-insert regio erived from Tyr751 of F SH2 domain of the p85	tern to two closely PDGFRβ). PDGFRα inase domains, while of homology (1). FRβ homodimers ic PDGF receptor α/ GFRα and PDGFRβ cells differ in the account for receptor ic SH2 domain- and NCK. A number ontrol of cell growth, n of PDGFRβ is the PDGFRβ (pTyr751- 5 subunit of PI3
Background Refe	2. B 3. B 4. C 5. O 6. P 7. R	stman, A. and Heldir anayotou, G. et al. (1	01) Nat. Cell Bio 01) Bioessays 2 1988) Prog. Clin 1, C.H. (2001) A 1992) EMBO J. 2 (1995) Bioorg. N	nl. 3, 512-516. 23, 494-507. . Biol. Res. 266, 39-45. dv. Cancer Res. 80, 1-3 11, 4261-4272. Med. Chem. 3, 1263-127		
Species Reactivity	<b>y</b> Spec	ies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buff				membrane with diluted th gentle shaking, overr		∕₀ w/v nonfat dry
Applications Key Cross-Reactivity I		Western Blotting IP:	: Immunoprecipi	tation		

4/11/24, 10:34 AM	Phospho-PDGF Receptor β (Tyr751) (88H8) Mouse mAb (#3166) Datasheet Without Images Cell Signaling
,,_,	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>
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