#2471 s

Phospho-VEGF Receptor 2 (Tyr951) Antibody



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Applications: W	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 230	Source/Isotype: Rabbit	UniProt ID: #P35968	Entrez-Gene Id: 3791
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM so 20°C. Do not aliquot t), 150 mM NaCl, 100 μg/	ml BSA and 50% gl	ycerol. Store at –
Specificity/Sensitivity		Phospho-VEGF Receptor 2 (Tyr951) Antibody detects endogenous VEGFR-2 only when phosphorylated at Tyr951.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr951 of human VEGFR-2. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		signaling in endotheli becomes activated (1) domain (Tyr951/996) a receptor leads to rapio protein tyrosine phos for GRB2 binding and (1,4,5). Signaling from	al cells. Upon ligand. Major autophosphand in the tyrosine lid recruitment of ad phatases SHP-1 and phospho-Tyr1175 by VEGFR2 is necessa	for 2 (VEGFR2, KDR, Flk-1 d binding, VEGFR2 under corylation sites of VEGFR kinase catalytic domain (aptor proteins, including SHP-2 (3). Phosphorylat binds the p85 subunit of ry for the execution of V vival of cultured endothe	goes autophospho 2 are located in the (Tyr1054/1059) (2). 3 Shc, GRB2, PI3 kir tion at Tyr1212 pro PI3 kinase and PLC EGF-stimulated pro	orylation and the kinase insert Activation of the lase, NCK, and the wides a docking site by, as well as Shb differation,
Background References		 Meyer, M. et al. (1999) EMBO J 18, 363-74. Dougher-Vermazen, M. et al. (1994) Biochem Biophys Res Commun 205, 728-38. Kroll, J. and Waltenberger, J. (1997) J Biol Chem 272, 32521-7. Takahashi, T. et al. (2001) EMBO J 20, 2768-78. Holmqvist, K. et al. (2004) J Biol Chem 279, 22267-75. Karkkainen, M.J. and Petrova, T.V. (2000) Oncogene 19, 5598-605. Rahimi, N. et al. (2000) J Biol Chem 275, 16986-92. Claesson-Welsh, L. (2003) Biochem Soc Trans 31, 20-4. 				
Species Reactiv	ity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		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 Key		W: Western Blotting				

Cross-Reactivity Key

H: Human M: Mouse

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