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Phospho-VEGF Receptor 2 (Tyr996) Antibody



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

Applications: I WB	Reactivity: H M	Sensitivity: Transfected Only	MW (kDa): 230	Source: Rabbit	UniProt ID: #P35968	Entrez-Gene Id: 3791
Product Usage Information	Application Western Blotting			Dilution 1:1000		
Storage		oplied in 10 mM sodi C. Do not aliquot the	VI VI	.5), 150 mM NaCl, 100 $\mu g/\text{ml}$ BSA and 50% glycerol. Store at $-$		
Specificity / Sensitiv	,	Phospho-VEGF Receptor 2 (Tyr996) Antibody detects transfected VEGFR 2 only when phosphorylated at tyrosine 996. The antibody cross-reacts with tyrosine-phosphorylated PDGF receptor.				
Source / Purification	to re	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr996 of human VEGF receptor 2. Antibodies are purified by protein A and peptide affinity chromatography.				
Background	sigr acti (Tyl lead tyro GR Sigl	naling in endothelial vated (1). Major auto (2). Major auto (951/996) and in the distoration to rapid recruitme sine phosphatases B2 binding and phosphaling from VEGFR2	cells. Upon ligand ophosphorylation s tyrosine kinase cant of adaptor prote SHP-1 and SHP-2 spho-Tyr1175 binds is necessary for t	binding, VEGFR2 ur ites of VEGFR2 are talytic domain (Tyr1 ins, including Shc, C (3). Phosphorylatior s the p85 subunit of he execution of VEG	Flk-1) is a major recept indergoes autophosphory located in the kinase ins 054/1059) (2). Activation GRB2, PI3 kinase, NCK, in at Tyr1212 provides a c PI3 kinase and PLCy, a GF-stimulated proliferation for and angiogenesis in	ylation and becomes sert domain of the receptor and the protein docking site for s well as Shb (1,4,5). on, chemotaxis and
Background Referen	1. Meyer, M. et al. (1999) <i>EMBO J</i> 18, 363-74. 2. Dougher-Vermazen, M. et al. (1994) <i>Biochem Biophys Res Commun</i> 205, 728-38. 3. Kroll, J. and Waltenberger, J. (1997) <i>J Biol Chem</i> 272, 32521-7. 4. Takahashi, T. et al. (2001) <i>EMBO J</i> 20, 2768-78. 5. Holmqvist, K. et al. (2004) <i>J Biol Chem</i> 279, 22267-75. 6. Karkkainen, M.J. and Petrova, T.V. (2000) <i>Oncogene</i> 19, 5598-605. 7. Rahimi, N. et al. (2000) <i>J Biol Chem</i> 275, 16986-92. 8. Claesson-Welsh, L. (2003) <i>Biochem Soc Trans</i> 31, 20-4.					

Species Reactivity

Species reactivity is determined by testing in at least one approved 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

WB: Western Blotting

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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