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Phospho-VEGF Receptor 2 (Tyr1059) (D5A6) Rabbit mAb

Applications: WB	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 230	Source/Isotype: Rabbit IgG	UniProt ID: #P17948, #P35968, #P35916	Entrez-Gene Id: 2321, 3791, 2324	
Product Usage Information		Application Vestern Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		Phospho-VEGF Receptor 2 (Tyr1059) (D5A6) Rabbit mAb only detects endogenous levels of VEGFR2 proteins when phosphorylated at Tyr1059. Since VEGF receptors 1, 2 and 3 share identical sequences within the epitope region, this antibody can also detect VEGF receptors 1 and 3 when phosphorylated at corresponding tyrosine residues.					
Species predicted to react based on 100% sequence homology:		at					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr1059 of human VEGF receptor 2.					
Background	sių ac (T lea tyr Gl Si	gnaling in endothelial of ctivated (1). Major auto yr951/996) and in the ads to rapid recruitmen rosine phosphatases S RB2 binding and phos gnaling from VEGFR2	cells. Upon ligand phosphorylation tyrosine kinase c nt of adaptor prof SHP-1 and SHP-3 pho-Tyr1175 bind is necessary for	d binding, VEGFR2 un sites of VEGFR2 are atalytic domain (Tyr1 teins, including Shc, C 2 (3). Phosphorylation ds the p85 subunit of the execution of VEC	Flk-1) is a major receptor ndergoes autophosphoryla located in the kinase inse 054/1059) (2). Activation of GRB2, PI3 kinase, NCK, an n at Tyr1212 provides a do PI3 kinase and PLCy, as n GF-stimulated proliferation, ro and angiogenesis <i>in viv</i>	ttion and becomes rt domain of the receptor nd the protein cking site for well as Shb (1,4,5). chemotaxis and	
Background Refe	2. 3. 4. 5. 6. 7.	Meyer, M. et al. (1999 Dougher-Vermazen, M Kroll, J. and Waltenbe Takahashi, T. et al. (20 Holmqvist, K. et al. (20 Karkkainen, M.J. and Rahimi, N. et al. (2000 Claesson-Welsh, L. (2001	M. et al. (1994) B erger, J. (1997) J 001) EMBO J 20 004) J Biol Chen Petrova, T.V. (20 0) J Biol Chem 2	iochem Biophys Res Biol Chem 272, 3252 , 2768-78. 1 279, 22267-75. 00) Oncogene 19, 55 75, 16986-92.			
Species Reactivity	y Sp	ecies reactivity is dete	rmined by testing	in at least one appro	oved application (e.g., wes	tern blot).	
Western Blot Buff		PORTANT: For wester % Tween® 20 at 4°C			ed primary antibody in 5%	w/v BSA, 1X TBS,	
Applications Key	w	B: Western Blotting					
Cross-Reactivity I	X:		B: bovine Dg: do	og Pg: pig Śc: S. cere	s Mi: mink C: chicken Dm evisiae Ce: C. elegans Hr:	•	

17 AM Phospho-VEGF Receptor 2 (Tyr1059) (D5A6) Rabbit mAb (#3817) Datasheet Without Images Cell Signaling ...

1/24, 0:17 AM	Phospho-vegr Receptor 2 (1911039) (DSAO) Rabbit mAb (#3617) Datasheet without images Cell Signalin		
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