VEGF Receptor 2 (55B11) Rabbit mAb





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Applications: W, IP, IHC-P, IF-F, IF- IC	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 210, 230	Source/Isotype: Rabbit IgG	UniProt ID: #P35968	Entrez-Gene Id: 3791
Product Usage Information		Application Western Blotting Immunoprecipitation Immunohistochemisti Immunofluorescence Immunofluorescence	(Frozen)	istry)	Dilution 1:1000 1:4000 - 1:200 - 1:200 -	1:16000 :800
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.				
		For a carrier free (BSA	and azide free) ver	sion of this product see	product #28521.	
Specificity/Sensitivity		VEGF Receptor 2 (55B11) Rabbit Monoclonal Antibody detects endogenous levels of VEGF receptor 2 protein. This antibody does not cross-react with other family members.				
Species predicte based on 100% homology	ed to react sequence	Bovine				
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with a recombinant protein containing the carboxy-terminal 150 amino acid residues of human VEGF receptor 2.				n containing the
Background		signaling in endothelia becomes activated (1). domain (Tyr951/996) a receptor leads to rapio protein tyrosine phosp for GRB2 binding and (1,4,5). Signaling from	al cells. Upon ligano Major autophosph and in the tyrosine l recruitment of ad phatases SHP-1 and phospho-Tyr1175 b VEGFR2 is necessa	or 2 (VEGFR2, KDR, Flk-1 d binding, VEGFR2 under orylation sites of VEGFR kinase catalytic domain (aptor proteins, including I SHP-2 (3). Phosphoryla 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). / 5 Shc, GRB2, PI3 kin tion at Tyr1212 prov PI3 kinase and PLC EGF-stimulated pro	rylation and kinase insert Activation of the ase, NCK, and the vides a docking site γ, as well as Shb liferation,
Background Re	ferences	3. Kroll, J. and Waltenb 4. Takahashi, T. et al. (2 5. Holmqvist, K. et al. (, M. et al. (1994) <i>Bio</i> erger, J. (1997) <i>J Bio</i> 2001) <i>EMBO J</i> 20, 27 2004) <i>J Biol Chem</i> 2 d Petrova, T.V. (2000 00) <i>J Biol Chem</i> 275	ochem Biophys Res Com ol Chem 272, 32521-7. 768-78. 179, 22267-75. 1) <i>Oncogene</i> 19, 5598-60 , 16986-92.		
Species Reactiv	ity	Species reactivity is de	termined by testing	g in at least one approve	d application (e.g.,	western blot).
Western Blot Bı	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ii	ז 5% w/v BSA, 1X
Applications Key		W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-F: Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry)				
Cross-Reactivity Key		H: Human M: Mouse				

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