p190-A RhoGAP (C59F7) Rabbit mAb





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Applications: W, IP	Reactivity: H M R Hm Mk	Sensitivity: Endogenous	MW (kDa): 190	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NRY4	Entrez-Gene Id: 2909	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:200		
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.					
Specificity/Sensitivity		p190-A RhoGAP (C59F7) Rabbit mAb detects endogenous levels of total p190-A RhoGAP protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human p190-A RhoGAP.					
Background		Rho family GTPases are key regulators of diverse processes such as cytoskeletal organization, cell growth and differentiation, transcriptional regulation, and cell adhesion/motility. The activities of these proteins are controlled primarily through guanine nucleotide exchange factors (GEFs) that facilitate the exchange of GDP for GTP, promoting the active (GTP-bound) state, and GTPase activating proteins (GAPs) that promote GTP hydrolysis and the inactive (GDP-bound) state (1,2).				e activities of these s) that facilitate the	
		inducible transcription Phosphorylation of p19	research studies h jene for p190-A is l factor TFII-I, seque i0-A at Tyr308 redu or-induced glioma		rearrangement of tl ment (3,4). p190-A l sm and inhibiting it , relieving the inhibi	ne chromosomal binds the mitogen- s activity. tion (5). p190-A can	
		transcription factor CRE increasing evidence tha 11). Levels of tyrosine p	EB (8). Cells deficie at p190 undergoes bhosphorylation ar ough phosphoryla	ive Rho activation and a nt in p190-B display def tyrosine phosphorylation e enhanced by Src overe tion and activation of p	ective adipogenesis on, which activates expression (10,11). I	(9). There is its GAP domain (9- GF-I treatment	
Background R	eferences	1. Peck, J. et al. (2002) <i>F</i> 2. Moon, S.Y. and Zheng 3. Wang, Z. et al. (1996) 4. Tikoo, A. et al. (2000) 5. Jiang, W. et al. (2005) 6. Wolf, R.M. et al. (2003) <i>J C</i> 8. Sordella, R. et al. (200 9. Sordella, R. et al. (200 10. Chang, J.H. et al. (199 11. Roof, R.W. et al. (199	g, Y. (2003) <i>Trends</i> <i>Cell Growth Differ</i> <i>Gene</i> 257, 23-31. <i>Mol Cell</i> 17, 23-35 3) <i>Genes Dev</i> 17, 4 <i>ell Biol</i> 163, 571-82 02) <i>Dev Cell</i> 2, 553- 03) <i>Cell</i> 113, 147-58 995) <i>J Cell Biol</i> 130,	<i>Cell Biol</i> 13, 13-22. - 7, 123-33. - 76-87. 2. 65. 3. 355-68.			
Species Reacti	vity	Species reactivity is det	ermined by testing	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot E	Buffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a			primary antibody ir	ז 5% w/v BSA, 1X	
Applications K	ey	W: Western Blotting IP:	: Immunoprecipita	tion			

Cross-Reactivity Key	H: Human M: Mouse R: Rat Hm: Hamster Mk: Monkey	
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