ខ្លុ p190-A RhoGAP (D8Q6C) 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 1:50		
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/Sen	sitivity	p190-A RhoGAP (D8Q60	C) Rabbit mAb reco	ognizes endogenous leve	els of total p190-A F	RhoGAP protein.	
Source / Purific	urification Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asn585 of human p190-A RhoGAP protein.				prresponding to		
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).					
		the p190 knockP prote tumor suppressor, and region containing the g inducible transcription Phosphorylation of p19 also inhibit growth fact cytokinesis in cultured	research studies h gene for p190-A is factor TFII-I, seque 00-A at Tyr308 redu or-induced glioma cells (7).	ave shown that loss or r linked to tumor develop estering it in the cytoplas uces its affinity for TFII-I, is in mice (6) and affect c	. p190-A has been a earrangement of t ment (3,4). p190-A sm and inhibiting it relieving the inhib leavage furrow for	the chromosomal binds the mitogen- ts activity. ition (5). p190-A can mation and	
		Mice lacking p190-B Rh transcription factor CRE increasing evidence tha 11). Levels of tyrosine p downregulates Rho thr signaling implicated in	oGAP show excess EB (8). Cells deficie at p190 undergoes phosphorylation ar ough phosphoryla adipogenesis (9).	sive Rho activation and a nt in p190-B display defe tyrosine phosphorylatic e enhanced by Src overe tion and activation of p1	reduction in activa ective adipogenesis on, which activates xpression (10,11). 1 90-B RhoGAP, ther	ation of the 5 (9). There is its GAP domain (9- IGF-I treatment eby enhancing IGF	
Background Re	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</i> 7. Su, L. et al. (2003) <i>J</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	EBS Lett 528, 27-3 g, Y. (2003) Trends Cell Growth Differ Gene 257, 23-31. Mol Cell 17, 23-35 3) Genes Dev 17, 4 ell Biol 163, 571-82 32) Dev Cell 2, 553- 33) Cell 113, 147-56 995) J Cell Biol 130, 58) Mol Cell Biol 18	4. <i>Cell Biol</i> 13, 13-22. r 7, 123-33. 76-87. 2. 65. 8. 355-68. 8, 7052-63.			
Species Reactiv	/ity	Species reactivity is det	ermined by testing	g in at least one approve	d application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a	rn blots, incubate t 4°C with gentle s	membrane with diluted haking, overnight.	primary antibody i	n 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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