p190-A RhoGAP (D8Q6C) Rabbit mAb					Cell Signaling TECHNOLOGY®		
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For Research Use Only	v Not for Use in	Diagnostic Proce	dures	3 Trask L	ane Danvers Ma	ssachusetts 01923 USA	
Applications: WB, 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	Ар	plication		Dilution			
Information		Western Blotting				1:1000	
		nunoprecipitation			1:50		
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		cerol and less than	
Specificity / Sens	itivity p19	p190-A RhoGAP (D8Q6C) Rabbit mAb recognizes endogenous levels of total p190-A RhoGAP protein.					
Source / Purificat		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asn585 of human p190-A RhoGAP protein.					
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).					
	tum cont tran p19	or suppressor, and r aining the gene for p scription factor TFII- D-A at Tyr308 reduce	esearch studies o190-A is linked t I, sequestering it es its affinity for T	xpressed Rho family GA have shown that loss or to tumor development (3 in the cytoplasm and ir FFII-I, relieving the inhib ffect cleavage furrow for	rearrangement of th 3,4). p190-A binds th hibiting its activity. F ition (5). p190-A car	ne chromosomal region ne mitogen-inducible Phosphorylation of also inhibit growth	
	tran incre Leve dow	scription factor CRE easing evidence that els of tyrosine phosp	B (8). Cells defic t p190 undergoes horylation are er ugh phosphoryla	essive Rho activation ar ient in p190-B display d s tyrosine phosphorylati hanced by Src overexp tion and activation of p2	lefective adipogenes on, which activates pression (10,11). IGF	iis (9). There is ts GAP domain (9-11). I treatment	
Background Refe	2. M 3. W 4. Ti 5. Ji 6. W 7. S 8. S 9. S 10. C	eck, J. et al. (2002) / oon, S.Y. and Zheng /ang, Z. et al. (1996) koo, A. et al. (2000) ang, W. et al. (2005) /olf, R.M. et al. (2003) J (ordella, R. et al. (200 ordella, R. et al. (200 hang, J.H. et al. (199 oof, R.W. et al. (199	g, Y. (2003) Trend Cell Growth Diff Gene 257, 23-3: Mol Cell 17, 23- Genes Dev 17 Cell Biol 163, 571 D2) Dev Cell 2, 5 D3) Cell 113, 147 Đ5) J Cell Biol 13	ds Cell Biol 13, 13-22. fer 7, 123-33. 1. -35. -, 476-87. L-82. 53-65. -58. 30, 355-68.			

Species ReactivitySpecies reactivity is determined by testing in at least one approved application (e.g., western blot).Western Blot BufferIMPORTANT: 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.

1/1/24, 10:54 AM	p190-A RhoGAP (D8Q6C) Rabbit mAb (#12164) Datasheet Without Images Cell Signaling Technology
Applications Key	WB: Western Blotting IP: Immunoprecipitation
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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