1/1/24, 7:46 AM Revision 4

Revision 4							
Hamartin/TSC1 (D43E2) Rabbit mAb						ell Signaling снмогоду®	
Sto					Orders:	877-616-CELL (2355) orders@cellsignal.com	
35					Support:	877-678-TECH (8324)	
#6935					Web:	info@cellsignal.com cellsignal.com	
				3 Trask L	ane Danvers Ma	ssachusetts 01923 USA	
For Research Use Only.		-					
Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 150-170	Source/Isotype: Rabbit IgG	UniProt ID: #Q92574	Entrez-Gene Id: 7248	
Product Usage Information	Арр	olication			Dilution	I.	
Information	Wes	Western Blotting			1:1000		
	Imm	nunoprecipitation			1:50		
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibod		cerol and less than	
Specificity / Sensiti	i vity Ham	artin/TSC1 (D43E2	2) Rabbit mAb red	cognizes endogenous le	evels of total TSC1 p	rotein.	
Source / Purificatio		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val640 of human TSC1.					
Background	hama enco invol cycle actin that t prote to inf 5'TO	artomas in brain, ki de hamartin and tu ved in numerous co s, steroid hormone cytoskeleton (4-9) the tuberin/hamarti in Rheb and thus i nibit phosphorylatic	dney, heart, lung uberin, respective ellular activities s regulation, Rho a . The combinatio n complex function nhibits targets of on of S6 kinase re s (10). Hamartin	autosomal dominant dis and skin (1). The tumor ly (2,3). Hamartin and tu uch as vesicular traffick activation and anchoring n of genetic, biochemica ons as a GTPase-activa rapamycin including m ⁻ ssulting in the activation is phosphorylated by CI 11).	r suppressor genes uberin form a functio ing, regulation of the neuronal intermedia al and cell-biological ting protein for the F FOR. Cells lacking h of S6 ribosomal pro	TSC1 and TSC2 nal complex and are e G1 phase of the cell ate filaments to the studies demonstrate cas-related small G amartin or tuberin fail tein's translation of	
Background Refere	2. va 3. Nc 4. Pla 5. Xia 6. Ta 7. He 8. La 9. Ha 10. Ma	 Sparagana, S.P. and Roach, E.S. (2000) <i>Curr. Opin. Neurol.</i> 13, 115-119. van Slegtenhorst, M. et al. (1997) <i>Science</i> 277, 805-808. No authors listed. (1993) <i>Cell</i> 75, 1305-1315. Plank, T.L. et al. (1998) <i>Cancer Res.</i> 58, 4766-4770. Xiao, G. et al. (1997) <i>J. Biol. Chem.</i> 272, 6097-6100. Tapon, N. et al. (2001) <i>Cell</i> 105, 345-355. Henry, K.W. et al. (1998) <i>J. Biol. Chem.</i> 273, 20535-20539. Lamb, R.F. et al. (2000) <i>Nat. Cell Biol.</i> 2, 281-287. Haddad, L.A. et al. (2002) <i>J. Biol. Chem.</i> 277, 44180-44186. Manning, B.D. and Cantley, L.C. (2003) <i>Trends Biochem Sci.</i> 28, 573-576. Astrinidis, A. et al. (2003) <i>J. Biol. Chem.</i> 278, 51372-51379. 					
Species Reactivity	Speci	es reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot Buffe		IMPORTANT: 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.					
Applications Key	WB:	Western Blotting I	P: Immunoprecipi	itation			
Cross-Reactivity K	X: Xe	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					
Tue de mentre en d		ignaling Tachnalas	wie a tradomatic	of Coll Signaling Toohn			

Hamartin/TSC1 (D43E2) Rabbit mAb (#6935) Datasheet Without Images Cell Signaling Technology

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