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Phospho-MOB1 (Thr12) (D2E3) Rabbit mAb



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Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 24	Source/Isotype: Rabbit IgG	UniProt ID: #Q9H8S9, #Q7L9L4	Entrez-Gene Id: 55233, 92597	
Product Usage Information	2	Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less t 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.			and less than		
Specificity/Sensitivity		Phospho-MOB1 (Thr12) (D2E3) Rabbit mAb recognizes endogenous levels of MOB1 protein only when phosphorylated at Thr12.					
Species predic based on 100% homology	ted to react sequence	Xenopus, Horse					
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Thr12 of human MOB1 protein.				otide	
Background		of mitosis and the mai MOB1, respectively, ar critical role in organ si are two MOB1 protein which have greater th nuclear Dbf2-related (9). This binding is pror Thr35) by MST1 and/o Phosphorylation at Th (5). The resultant incre	intenance of ploidy re involved in the H ze regulation and v s in humans, MOB an 95% amino acid NDR) kinases, such noted by the phosy r MST2 (5,10). r12 by MST1/2 stat ease in LATS1 kinas vators YAP and TAZ	(1). Its <i>Drosophila</i> and ippo signaling tumor s which has been implica IA and MOB1B, that an sequence identity (6). as LATS1/2 and NDR1 ohorylation of MOB1 a wilizes MOB1, enhancir e activity promotes inh	s with essential roles in a mammalian homologs suppressor pathway, wh ated in cancer developm re encoded by two diffe Both forms bind to mer (2, thereby stimulating t several threonine resid g its binding and regula ibitory phosphorylation inges in the expression	s, Mats and hich plays a hent (2-5). There rent genes but mbers of the kinase activity (7- dues (e.g., Thr12, ation of LATS1 n of the	
Background R	eferences	1. Luca, F.C. and Winey 2. Edgar, B.A. (2006) <i>C</i> 3. Saucedo, L.J. and Ed 4. Harvey, K. and Tapo 5. Zeng, Q. and Hong, 6. Praskova, M. et al. (200 8. Hergovich, A. et al. (200 8. Hergovich, A. et al. (9. Hergovich, A. et al. (10. Hirabayashi, S. et a 11. Zhao, B. et al. (200 12. Lei, Q.Y. et al. (2008 13. Hao, Y. et al. (2008	ell 124, 267-73. Igar, B.A. (2007) <i>Na</i> n, N. (2007) <i>Nat Re</i> W. (2008) <i>Cancer C</i> 2008) <i>Curr Biol</i> 18, 04) <i>J Biol Chem</i> 279 (2005) <i>Mol Cell Biol</i> (2006) <i>Biochem Bio</i> al. (2008) <i>Oncogene</i> 7) <i>Genes Dev</i> 21, 2 3) <i>Mol Cell Biol</i> 28, 2	t Rev Mol Cell Biol 8, 61 v Cancer 7, 182-91. ell 13, 188-92. 311-21. 24444-51. 25, 8259-72. phys Res Commun 34 27, 4281-92. 747-61. 2426-36.			
Species Reacti	vity	Species reactivity is de	termined by testin	g in at least one appro	ved application (e.g., w	estern blot).	
Western Blot E	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20			d primary antibody in 5	5% w/v BSA, 1X	
Applications K	ey	W: Western Blotting					
Cross-Reactivi	ty Key	H: Human M: Mouse F	R: Rat Mk: Monkey				

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