REVISIONI						
Phospho- Antibody 207 magnetic states of the second			adures	3 Trask	Orders: Support: Web:	Il Signaling C H N O L O G Y* 877-616-CELL (2355) orders@cellsignal.com 877-678-TECH (8324) info@cellsignal.com cellsignal.com
Applications: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 140	Source: Rabbit	UniProt ID: #O95835	Entrez-Gene Id: 9113
Product Usage Information	We	p lication estern Blotting) 450 million of 400	Dilution 1:1000	
Storage Specificity / Sensi	20° itivity Pho pho	C. Do not aliquot the spho-LATS1 (Ser90	e antibody. 9) Antibody detects 109. This antibody i	s endogenous levels	D μg/ml BSA and 50% of total LATS1 protein react with LATS2 only	only when
Species predicted react based on 10 sequence homolo	0%	use, Rat, Monkey				
Source / Purificat	to a		ling Ser909 of hum		a synthetic phosphop s are purified by prote	peptide corresponding in A and peptide
Background	the play mitc repu- cyto the loca Dec pert kno caro sigr Pho of Y sub	NDR family (1). The vs a role in the maint otic spindle and cont orted to play a role in okinesis by regulating phosphorylated form alization of zyxin to the creased expression of curbing LATS1 have ckout mice develop cinogenic treatments naling pathway, a con osphorylation of LATS sphorylation of the to AP and TAZ promote	Drosophila homolo enance of ploidy. H rol G2/M transition in the G1 tetraploidy g actin polymerizati nof zyxin, a regulati ne mitotic spindle, s of LATS1 is associa been associated w soft-tissue sarcoma s (10). LATS1 and L inserved kinase cas S by Mammalian S ranscriptional co-ace es their cytoplasmi	bg (warts) was first id luman LATS1 was sli by negatively regular checkpoint, via combined to through negative for of actin filament a suggesting a role for the with breast tumo ith human sarcomas as, ovarian stromal c LATS2 have also bee cade that functions t terile-20-like proteins stivators YAP and TA c sequestration and a	are serine/threonine ki lentified as a tumor su nown to localize to the ting cdc2 kinase activi trol of p53 expression modulation of LIMK1 ssembly. This interact actin regulatory protei or aggressiveness (7), and ovarian sarcoma: ell tumor, and display in identified as key me o regulate cell growth is (e.g., MST1) results i Z (12, 13). LATS-med association with 14-3-3	ppressor protein that centrosome and the ty (2,3). LATS1 is also (4). LATS1 affects (5). LATS1 also binds ion promotes ns during mitosis (6). and mutations s (8,9). LATS1 a high sensitivity to embers of the Hippo and apoptosis (11). in LATS-mediated iated phosphorylation 3 proteins, and

1/1/24, 10:00 AM	Phospho-LATS1 (Ser909) Antibody (#9157) Datasheet Without Images Cell Signaling Technology
Background Reference	 S 1. Tao, W. et al. (1999) Nat Genet 21, 177-81. 2. Yang, X. et al. (2001) Oncogene 20, 6516-23. 3. Xia, H. et al. (2002) Oncogene 21, 1233-41. 4. lida, S. et al. (2004) Oncogene 23, 5266-74. 5. Yang, X. et al. (2004) Nat Cell Biol 6, 609-17. 6. Hirota, T. et al. (2000) J Cell Biol 149, 1073-86. 7. Morinaga, N. et al. (2000) Int J Oncol 17, 1125-9. 8. Hansen, L.L. et al. (2002) Cancer Genet Cytogenet 139, 1-8. 9. Hisaoka, M. et al. (2002) Lab Invest 82, 1427-35. 10. St John, M.A. et al. (1999) Nat Genet 21, 182-6. 11. Guo, C. et al. (2007) Curr Biol 17, 700-5. 12. Hergovich, A. et al. (2008) Oncogene 27, 4281-92. 14. Zhao, B. et al. (2010) J Cell Sci 123, 4001-6.
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	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
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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