ក្តុ LATS1 Antibody					
Store at		Orders:	877-616-CELL (2355) orders@cellsignal.com		
53		Support:	877-678-TECH (8324)		
#9153		Web:	info@cellsignal.com cellsignal.com		
#		3 Trask Lane Danvers Ma	ssachusetts 01923 USA		

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: Reactive WB H MI		MW (kDa): 140	Source: Rabbit	UniProt ID: #O95835	Entrez-Gene Id: 9113
Product Usage Information	Application Western Blotting			Dilution 1:1000	
Storage	Supplied in 10 mM sodiu 20°C. Do not aliquot the		5), 150 mM NaCl, 10	0 μg/ml BSA and 50% g	lycerol. Store at –
Specificity / Sensitivity	LATS1 Antibody detects	endogenous level	s of total LATS1 prot	tein.	
Source / Purification	Polyclonal antibodies ar amino acids surrounding chromatography.		-	• • •	
Background	The Large tumor suppre- the NDR family (1). The plays a role in the maint mitotic spindle and contri- reported to play a role in cytokinesis by regulating the phosphorylated form localization of zyxin to th Decreased expression of perturbing LATS1 have knockout mice develops carcinogenic treatments signaling pathway, a cor Phosphorylation of LATS phosphorylation of the tr of YAP and TAZ promote subsequent proteasoma cell growth (11, 14).	Drosophila homole enance of ploidy. H rol G2/M transition in the G1 tetraploidy g actin polymerizat nof zyxin, a regula ne mitotic spindle, s of LATS1 is associa been associated w soft-tissue sarcoma i (10). LATS1 and I inserved kinase cas S by Mammalian S ranscriptional co-ar- es their cytoplasmi	og (warts) was first in Human LATS1 was s by negatively regula y checkpoint, via com ion through negative tor of actin filament a suggesting a role for ated with breast tumo vith human sarcomas as, ovarian stromal of LATS2 have also be scade that functions terile-20-like proteins ctivators YAP and TA c sequestration and	dentified as a tumor sup shown to localize to the c ating cdc2 kinase activity torol of p53 expression (4 e modulation of LIMK1 (5 assembly. This interaction r actin regulatory proteins or aggressiveness (7), a s and ovarian sarcomas cell tumor, and display a en identified as key men to regulate cell growth a s (e.g., MST1) results in AZ (12, 13). LATS-media association with 14-3-3	pressor protein that centrosome and the (2,3). LATS1 is also 4). LATS1 affects 5). LATS1 also binds on promotes s during mitosis (6). nd mutations (8,9). LATS1 high sensitivity to obsers of the Hippo nd apoptosis (11). LATS-mediated ted phosphorylation proteins, and
Background References	1. Tao, W. et al. (1999) <i>N</i> 2. Yang, X. et al. (2001) 3. Xia, H. et al. (2002) <i>C</i> 4. lida, S. et al. (2004) <i>C</i> 5. Yang, X. et al. (2004) 6. Hirota, T. et al. (2000) 7. Morinaga, N. et al. (2000) 7. Morinaga, N. et al. (2000) 7. Hisaoka, M. et al. (2001) 10. St John, M.A. et al. (2001) 11. Guo, C. et al. (2007) <i>C</i> 12. Hergovich, A. et al. (2 13. Hirabayashi, S. et al. 14. Zhao, B. et al. (2010)	Oncogene 20, 651 Dicogene 21, 1233 Dicogene 23, 5266 Nat Cell Biol 6, 60 J Cell Biol 149, 10 D00) Int J Oncol 17 D02) Cancer Gener 02) Lab Invest 82, 999) Nat Genet 21 Curr Biol 17, 700-5 006) Biochem Bio (2008) Oncogene	L6-23. -41. 9-17. 9-17. 7, 1125-9. <i>t Cytogenet</i> 139, 1-8 1427-35. L, 182-6. 5. phys Res Commun 3 27, 4281-92.		

```
Species Reactivity
```

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

1/1/24, 12:24 PM Western Blot Buffer	LATS1 Antibody (#9153) Datasheet Without Images Cell Signaling Technology 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
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.