e at -20C	LATS1 (C66B5) Rabbit mAb		ll Signaling снмогоду <sup>®</sup>
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For Research Use Only. Not for Use in Diagnostic Procedures.	Applications	Beactivity	Concitivity	N/1\A/	
	For Research Use Only. Not for Use in Diagnostic Procedures.				

Applications: F WB, IP	Reactivity: H M Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 140	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #O95835	Entrez-Gene Id: 9113
Product Usage Information	-	plication estern Blotting			<b>Dilution</b> 1:1000	
	Imr	nunoprecipitation			1:100	
Storage	•			7.5), 150 mM NaCl, 100 o not aliquot the antibody		erol and less than
Specificity / Sensitiv	ity Lat	S1 (C66B5) Rabbit	mAb detects end	dogenous levels of total	LATS1 protein.	
Source / Purification		noclonal antibody is Is surrounding Gly18		nunizing animals with sy 51.	nthetic peptide corres	ponding to amino
Background	the play mitc repo cyto the loca Dec pert know carc sign Pho pho of Y. subs	NDR family (1). The rs a role in the main otic spindle and cont orted to play a role in kinesis by regulatin phosphorylated form dization of zyxin to t urbing LATS1 have ckout mice develop cinogenic treatments aling pathway, a co sphorylation of LAT sphorylation of the t AP and TAZ promot	e Drosophila hom tenance of ploidy trol G2/M transition in the G1 tetraplo g actin polymeriz n of zyxin, a regu- he mitotic spindle of LATS1 is asso been associated soft-tissue sarco s (10). LATS1 an nserved kinase of S by Mammalian transcriptional co	teins (LATS1, LATS2) a tolog (warts) was first ide A Human LATS1 was sh on by negatively regulati idy checkpoint, via contre- tation through negative a lator of actin filament as e, suggesting a role for a ciated with breast tumor with human sarcomas mas, ovarian stromal ce d LATS2 have also beer cascade that functions to a Sterile-20-like proteins -activators YAP and TAZ mic sequestration and a cading to downregulation	entified as a tumor sup own to localize to the ing cdc2 kinase activity of of p53 expression ( modulation of LIMK1 ( seembly. This interaction actin regulatory protein aggressiveness (7), a and ovarian sarcomas an identified as key mer oregulate cell growth a (e.g., MST1) results in Z (12, 13). LATS-media ssociation with 14-3-3	ppressor protein that centrosome and the y (2,3). LATS1 is also 4). LATS1 affects 5). LATS1 also binds on promotes as during mitosis (6). and mutations (8,9). LATS1 high sensitivity to nbers of the Hippo and apoptosis (11). h LATS-mediated ated phosphorylation proteins, and
Background Referen	2. Yi 3. X 4. lia 5. Yi 6. H 7. M 8. H 9. H 10. S 11. G 12. H 13. H	isaoka, M. et al. (20 t John, M.A. et al. (1 uo, C. et al. (2007)	Oncogene 20, 6 Oncogene 21, 12 Dncogene 23, 52 Nat Cell Biol 6, ) J Cell Biol 149, 000) Int J Oncol 002) Cancer Gel 02) Lab Invest 8 1999) Nat Genet Curr Biol 17, 700 2006) Biochem B (2008) Oncogen	5516-23. 33-41. 66-74. 609-17. 1073-86. 17, 1125-9. <i>net Cytogenet</i> 139, 1-8. 2, 1427-35. 21, 182-6. 0-5. <i>tiophys Res Commun</i> 34 <i>te</i> 27, 4281-92.	15, 50-8.	
Species Reactivity	Spec	ies reactivity is dete	ermined by testin	g in at least one approve	ed application (e.g., w	estern blot).

## Western Blot Buffer

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1/1/24, 9:14 AM	LATS1 (C66B5) Rabbit mAb (#3477) 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 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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