

## Appendix.

### Appendix Table S1.

#### a. RT-qPCR primers

GAPDH-F	CTCCTGCACCACCAACTGCT
GAPDH-R	GGGCCATCCACAGTCTTCTG
CTGF-F	AGGAGTGGGTGTGTGACGA
CTGF-R	CCAGGCAGTTGGCTCTAATC
Cyr61-F	GAGTGGGTCTGTGACGAGGAT
Cyr61-R	GGTTGTATAGGATGCGAGGCT
TRIP6-F	CCTTCACAGTGGATGCTACG
TRIP6-R	CTTGGGGCAAACCTTCCTGT
vinculin-F	TCAGATGAGGTGACTCGGTTGG
vinculin-R	GGGTGCTTATGGTTGGGATTGG

#### b. TRIP6 CRISPR primers (designed using <http://crispr.mit.edu/>)

Oligo 1	CACCGGCGATCCCCGCGGCACCC
Oligo 2	AAACGGGTGCCGCGGGGATCGCC

### Appendix Table S2. Reagent and resource table

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Antibodies		
Mouse TRIP6	Santa Cruz	Cat# sc-365122
Rabbit YAP	Santa Cruz	Cat# sc-15407
Mouse YAP	Santa Cruz	Cat# sc-101199
Mouse GFP	Santa Cruz	Cat# sc-9996
Mouse Myc	Santa Cruz	Cat# sc-40
Rabbit Myc	Santa Cruz	Cat# sc-789
Rabbit LATS1	Cell Signaling	Cat# 3477S
Rabbit LATS2	Cell Signaling	Cat# 5888S
Rabbit phospho LATS Ser 909	Cell Signaling	Cat# 9157S
Rabbit phospho LATS Thr 1079	Cell Signaling	Cat# 8654S
Rabbit phospho MST	Cell Signaling	Cat# 3681S
Rabbit MOB1	Cell Signaling	Cat# 13730S
Rabbit phospho YAP Ser 127	Cell Signaling	Cat# 4911S
Rabbit LATS2	Proteintech	Cat# 20276-1-AP
Mouse MBP	Proteintech	Cat# 66003-1-Ig
Rabbit GST	Proteintech	Cat# 10000-0-AP
Mouse Tubulin	Proteintech	Cat# 66031-1-Ig
Mouse E-cadherin	BD Biosciences	Cat# 610181
Mouse FLAG	Sigma	Cat# F1804
Mouse vinculin	Sigma	Cat# V9131, kindly provided by Beth Luna
Bacterial and Virus Strains		

DH5 $\alpha$ Competent Cells	Thermo Fisher	Cat# 18265017
Rosetta™(DE3) Competent Cells - Novagen	EMD Millipore	Cat# 70954
Chemicals, Peptides, and Recombinant Proteins		
Penicillin-Streptomycin	Thermo Fisher	Cat# 15140-122
Epidermal Growth Factor	Peprtech	Cat# AF-100-15
Hydrocortisone	Sigma	Cat# H-0888
Cholera toxin	Sigma	Cat# C-8052
Insulin	Sigma	Cat# I-1882
Lipofectamine 2000	Thermo Fisher	Cat# 11668019
RNAiMAX Lipofectamine	Thermo Fisher	Cat# 13778150
FuGENE HD Transfection Reagent	Promega	Cat# E2311
Protease Inhibitor Cocktail	Sigma	Cat# P8340
Dynabeads Protein G	Thermo Fisher	Cat# 10004D
Collagen I	Corning	Cat# 354231
Latrunculin B	Sigma	Cat# L5288
Blebbistatin	Sigma	Cat# B0560
Y27632	Tocris	Cat# 1254
Puromycin	Thermo Fisher	Cat# A1113803
Critical Commercial Assays		
Quick RNA Mini Prep Kit	Zymo Research	Cat# R1054
qScript cDNA super mix	Quanta Biosciences	Cat# 101414-102
KAPA SYBR Fast- Master Mix Universal kit	Kapa Biosystems	Cat# KK4651
Qiagen Plasmid Mini Prep Kit	Qiagen	Cat# 27104
Experimental Models: Cell Lines		
MCF10A	ATCC	CRL-10317
HEK 293	ATCC	CRL-1573
HEK 293A	Thermo Fisher	#R70507
HEK 293A TRIP6 CRISPR mediated knockout line	This study	N/A
Oligonucleotides		
control siRNA CGUACGCGGAUACUUCGA	GE Lifesciences	D-001100-01-20
SMARTpool: ON-TARGETplus LATS1 siRNA	GE Lifesciences	L-004632-00-0005
SMARTpool: ON-TARGETplus LATS2 siRNA	GE Lifesciences	L-003865-00-0005
Vinculin siRNAs, oligo IDs: HSS111260 and HSS187662	Invitrogen	Cat# 1299001
RT-qPCR primers, see table S1a	N/A	N/A
TRIP6 CRISPR primers, see table S1b	N/A	N/A
Recombinant DNA		
pDONR221 LATS2	This study	N/A
pDONR221 TRIP6	This study	N/A
pDEST-MBP LATS2	This study	N/A
pDEST-GST TRIP6	This study	N/A
pET28a MOB1A	This study	N/A
pcDNA-FLAG-Hu-Trip6	Addgene	Addgene #27255
pcDNA-FLAG-Hu-Trip6 1-277	This study	N/A
pcDNA-FLAG-Hu-Trip6 278-476	This study	N/A
pCI113-LAP-GFP-LATS2	Paramsivam et al., 2011	N/A

pCI113-LAP-GFP-LATS2 137-677	This study	N/A
pCI113-LAP-GFP-LATS2 668-947	This study	N/A
pCI113-LAP-GFP-LATS2 376-397	This study	N/A
pCI113-LAP-GFP-LATS2 376-568	This study	N/A
pCI113-LAP-GFP-LATS2 604-625	This study	N/A
pCI113-LAP-GFP-LATS2 625-644	This study	N/A
pcDNA3.1-Myc-MOB1	MOB1 was cloned in pcDNA3.1 from pSIRN-HA-MOB1 plasmid.	pSIRN-HA-MOB1 plasmid DNA was a gift of Thanos Halazonetis (University of Geneva, Geneva, Switzerland)
pEGFP Vinculin	Addgene	Addgene# 46265
pEGFP Vinculin T12	Addgene	Addgene# 46266
pGEX-4T-1	GE Lifesciences	Cat# 28-9545-49
TRIP6 shRNA1: GCTGCTTTGTATGTTCTACAT, shRNA4: GAAGCTGGTTCACGACATGAA	shRNA Core Facility (UMASS)	shRNA1:T TRCN0000061438, shRNA4: TRCN0000061441
EGFP shRNA-Control	shRNA Core Facility (UMASS)	N/A
Software and Algorithms		
Image J	<a href="https://imagej.nih.gov/ij/">https://imagej.nih.gov/ij/</a>	N/A
IPLab Spectrum software	Signal Analytics, Vienna, VA	N/A
Leica Application Suite X	Leica Microsystems	N/A