

Supplementary information, Table S3 Summary of results derived from phospho-antibody array

Phosphorylation sites	HUH-7 VECTOR	HUH-7 MPZL1	Ratio (HUH-7
	Ratio	Ratio	MPZL1/VECTOR)
MEK1(Phospho-Thr286)	0.34	0.78	2.28
Synapsin(Phospho-Ser9)	0.71	1.17	1.65
PKCalpha/betaII(Phospho-Thr638)	0.87	1.41	1.62
CDC25C(Phospho-Ser216)	0.23	0.36	1.61
FAK(Phospho-Tyr397)	0.59	0.90	1.52
p44/42MAPKinase(Phospho-Thr202)	1.35	1.97	1.46
AKT(Phospho-Ser473)	0.91	1.29	1.42
PLCbeta3(Phospho-Ser537)	0.84	1.19	1.42
PKCalpha(Phospho-Tyr657)	1.30	1.80	1.39
BAD(Phospho-Ser155)	0.92	1.25	1.36
Paxillin(Phospho-Tyr118)	1.65	2.18	1.32
c-Raf(Phospho-Ser296)	0.75	0.99	1.32
SHP-2(Phospho-Tyr580)	0.83	1.09	1.31
Cortactin(Phospho-Tyr421)	1.55	2.01	1.30
CDC25A(Phospho-Ser75)	0.89	1.11	1.25
CDC2(Phospho-Tyr15)	0.98	1.22	1.24
Merlin(Phospho-Ser518)	1.40	1.73	1.24
MKK3/MAP2K3(Phospho-Thr222)	0.79	0.97	1.23
Pyk2(Phospho-Tyr402)	0.82	0.99	1.20
AKT(Phospho-Thr308)	1.34	1.60	1.20
p44/42MAPKinase(Phospho-Tyr204)	1.03	1.23	1.19
Stathmin1(Phospho-Ser15)	0.90	1.07	1.19
Ezrin(Phospho-Tyr353)	0.90	1.06	1.19
Stathmin1(Phospho-Ser24)	0.86	1.01	1.18
Stathmin1(Phospho-Ser37)	0.85	0.99	1.17

BAD(Phospho-Ser112)	1.09	1.28	1.17
Src(Phospho-Tyr416)	0.64	0.74	1.16
MEK1(Phospho-Ser221)	1.08	1.24	1.15
Caveolin-1(Phospho-Tyr14)	0.88	0.99	1.12
SHP-2(Phospho-Tyr542)	1.12	1.23	1.1
VASP(Phospho-Ser157)	0.35	0.39	1.09
GRB2(Phospho-Ser159)	1.14	1.23	1.08
ERK3(Phospho-Ser189)	1.01	1.08	1.06
Connexin43(Phospho-Ser367)	0.91	0.97	1.06
WAVE1(Phospho-Tyr125)	1.03	1.08	1.05
FAK(Phospho-Tyr925)	1.11	1.15	1.04
p130Cas(Phospho-Tyr410)	0.98	1.02	1.04
MEK1(Phospho-Ser298)	0.39	0.40	1.03
CaMKII(Phospho-Thr286)	0.93	0.93	1.00
FAK(Phospho-Tyr407)	0.95	0.95	1.00
cofilin(Phospho-Ser3)	0.87	0.87	0.99
c-Raf(Phospho-Ser43)	0.31	0.31	0.98
CaMK4(Phospho-Thr196/200)	1.05	1.03	0.98
CrkII(Phospho-Tyr221)	2.08	2.02	0.97
ACTINPan(a/b/g)(Phospho-Tyr55/53)	0.67	0.65	0.97
FAK(Phospho-Tyr861)	1.36	1.30	0.96
MKK7/MAP2K7(Phospho-Ser271)	1.04	1.00	0.96
Rho/Racguanine nucleotide exchange factor 2(Phospho -Ser885)	1.23	1.17	0.95
Raf1(Phospho-Ser338)	0.99	0.93	0.94
PLC-beta(Phospho-Ser1105)	0.92	0.86	0.94
Myosin regulatory light chain 2(Phospho-Ser18)	0.88	0.83	0.94
FilaminA(Phospho-Ser2152)	0.99	0.93	0.93
G3BP-1(Phospho-Ser232)	1.29	1.20	0.93

Src(Phospho-Ser75)	1.96	1.82	0.93
GTPaseactivatingprotein(Phospho-Ser387)	1.11	1.02	0.92
LIMK1(Phospho-Thr508)	1.17	1.07	0.92
CaMK1-a(Phospho-Thr177)	0.65	0.60	0.92
AKT2(Phospho-Ser474)	2.19	2.01	0.91
VASP(Phospho-Ser238)	1.00	0.91	0.91
CDK2(Phospho-Thr160)	0.97	0.86	0.89
p130Cas(Phospho-Tyr165)	1.15	1.01	0.88
Merlin(Phospho-Ser10)	1.18	1.03	0.87
