

Supplemental Table 1. Outcome of the comparative phosphosite screening¹

Signalling component ²	Epitope(s)	+ NG2	- NG2	Equal ³
Adducin α (122 kDa)	S724			1.49
Adducin γ (81 kDa)	S662			1.04
B23 (nucleophosmin) S4	S4	ND ⁴	ND	ND
c-Met Receptor Tyrosine Kinase	Y1003	ND	ND	ND
c-Met Receptor Tyrosine Kinase	Y1230/Y1234/Y1235	ND	ND	ND
CREB (44 kDa)	S133			1.18
c-Jun	S73		De-phosphorylated	
Cyclin-dependent kinase 1/2 (CDK1/2; 28 kDa)	T14 + Y15		2.07	
eIF-2a (35 kDa)	S52			1.09
eIF-2 Be	S539	ND	ND	ND
eIF-4	S209	ND	ND	ND
ERK-1	T202 + Y204		De-phosphorylated	
ERK-2 (40 kDa)	T185 + Y187		11.13	
ERK5	T218 + Y220	ND	ND	ND
FAK	Y576	ND	ND	ND
G protein-coupled receptor kinase-2 (GRK2; 73 kDa)	S670	2.09		
GSK3 α (44 kDa)	S21			1.28
GSK3 α (45 kDa)	Y279	ND	ND	ND
GSK3 β (41 kDa)	Y216			1.2
GSK3 β	S9	ND	ND	ND
Lck	Y505	ND	ND	ND
MAPK/ERK protein-serine kinase 1	S297	ND	2.31	ND
MAPK/ERK protein-serine kinase 1 (MEK1; 42 kDa)	T292			1.09
MAPK/ERK protein-serine kinase 1 (MEK1)	S217 + S221		De-phosphorylated	
MAPK/ERK protein-serine kinase 2 (MEK2; 44 kDa)	T394			1.22
MAPK/ERK protein-serine kinase 3 (MEK3)	S189		De-phosphorylated	
MAPK/ERK protein-serine kinase 6 (MEK6)	S207		De-phosphorylated	
Mitogen-and stress-activated protein kinase 1 (MSK1; 79 kDa)	S376			1.48
Mixed-lineage kinase-3 (Mlk-3; 150 kDa)	T277 + S281	Phosphorylated		
N-methyl-D-aspartate glutamate receptor 1 subunit ζ (NR1)	S896	ND	ND	ND
p21-activated kinases 1/2/3 (PAK1/2/3)	S144 + S141 + S139			1.3
p38 α MAPK (39 kDa)	T180 + Y182		3.98	
Paxillin	Y118	ND	ND	ND
Paxillin	Y31	ND	ND	ND
PKB α /Akt1 (56 kDa)	T308		1.74	
PKB α /Akt1 (58 kDa)	S473		4.39	
PKC α (81 kDa)	S657			1.10
PKC α / β 2 (79 kDa)	T638 + T641		2.87	
PKC δ (73 kDa)	T505			1.08
PKC ϵ (93 kDa)	S729			1.35
PKR1 (70 kDa)	T451	3.49		
PTK-2	Y579	ND	ND	ND
Raf 1 (61 kDa)	S259		2.11	
Raf 1 (65 kDa)	S259		2.14	
Retinoblastoma protein (Rb)	T821	ND	ND	ND
Retinoblastoma protein (Rb; 121 kDa)	S780			1.41
Retinoblastoma protein (Rb; 127 kDa)	T356	1,86		
Retinoblastoma protein (Rb; 124 kDa)	T826			1.12
Retinoblastoma protein (Rb; 118 kDa)	S612		2.09	
Retinoblastoma protein (Rb; 113 kDa)	S807 + S811		3.22	
RSK1/2	T359 + S363	ND	ND	ND
S6 kinase p70 (S6K α ; 79 kDa)	T389	1.56		
SMADs1/5/9	S463 + S465	ND	ND	ND
Shc (50 kDa)	Y239 + Y240		2.32	
Src (51 kDa)	Y529		2.85	
Src	Y418	ND	1.72	ND
STAT1 (92 kDa)	S701			1.14
STAT3 (82 kDa)	S727			1.19
STAT5	Y694	ND	ND	ND
JNK (41 kDa)	T183 + Y185		De-phosphorylated	
JNK (48 kDa)	T183 + Y185		1.71	
p53	S392	ND	ND	1.21

¹Values refer to the fold difference in phosphorylation degree of the indicated components, when comparing siRNA-treated (- NG2) versus untreated (+ NG2) cells after stimulation with FGF-2 through a semi-quantitative multi-blotting procedure (Pelech, S., Sutter, C., & Zhang, H. Kinetworks protein kinase multiblot analysis. *Methods Mol. Biol.* **218**, 99-111; 2003). Difference between the two samples was established at an arbitrary cut-off of 1.5-fold.

²The apparent MW at which the component was detected in the blots is indicated within brackets.

³“Equal”, no difference in phosphorylation degree according to the cut-off setting.

⁴ND, no phosphorylation of the component was detectable.

⁵“Phosphorylation” for Mlk3 means that the component was phosphorylated in NG2-expressing cells, but was entirely de-phosphorylated in NG2-deficient cells (i.e. it was not possible to retrieve a numerical value for the comparison)..