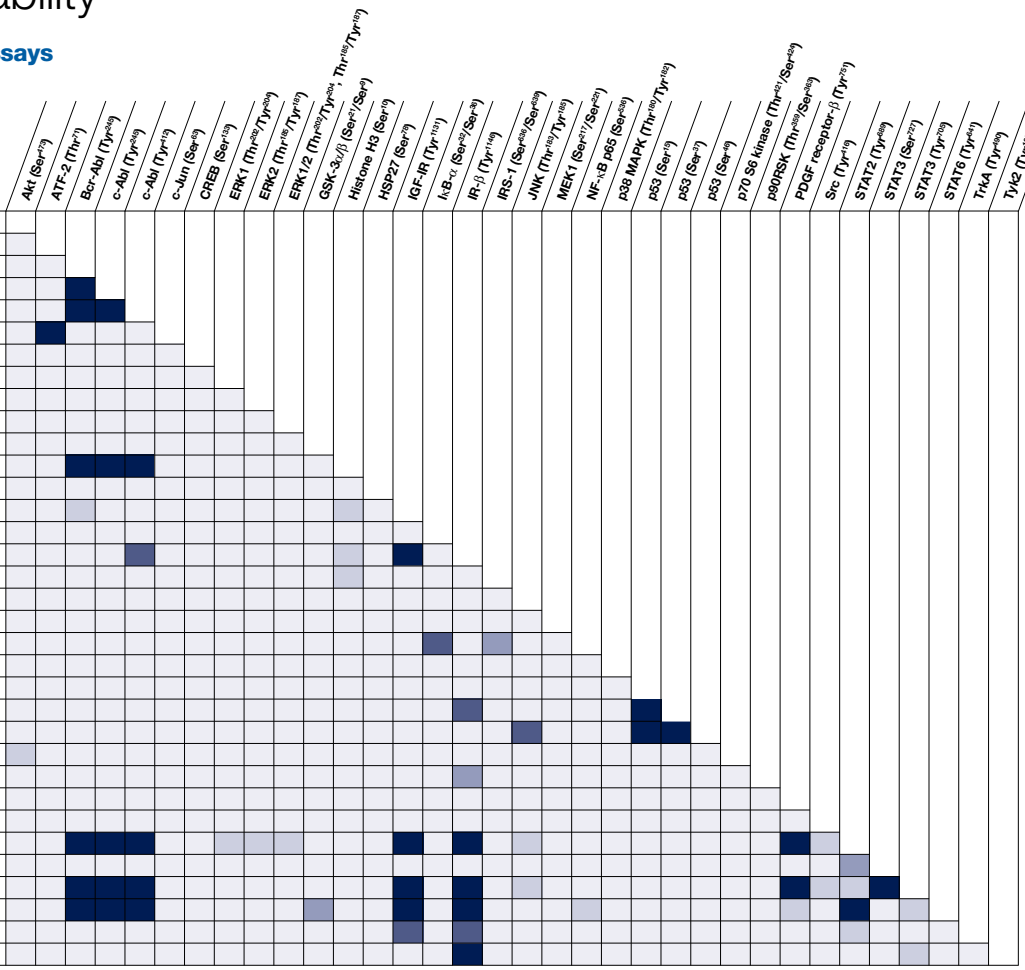
Assay Multiplexability

Bio-Plex Phosphoprotein Assays

Phosphoprotein Assay	Tested Antibody Species*
Akt (Ser^{473})	H, R
ATF-2 (Thr^{71})	H, M
Bcr-Abl (Tyr^{245})	H, M
c-Abl (Tyr^{245})	H, M
c-Abl (Tyr^{412})	H
c-Jun (Ser^{63})	H, M, R
CREB (Ser^{133})	H, M, R
ERK1 (Thr^{202}/Tyr^{204})	H, M, R
ERK2 (Thr^{185}/Tyr^{187})	H, M, R
ERK1/2 (Thr^{202}/Tyr^{204}, Thr^{185}/Tyr^{187})	H, M
GSK-3α/β (Ser^{21}/Ser^{9})	H, M, R
Histone H3 (Ser^{10})	H, M, R, K
HSP27 (Ser^{78})	H, K
IGF-IR (Tyr^{1131})	H
IκB-α (Ser^{32}/Ser^{36})	H
IR-β (Tyr^{1146})	H, M, R
IRS-1 (Ser^{636}/Ser^{639})	H, M, R
JNK (Thr^{183}/Tyr^{185})	H, M
MEK1 (Ser^{217}/Ser^{221})	H, M, R, K
NF-κB p65 (Ser^{536})	H
p38 MAPK (Thr^{180}/Tyr^{182})	H, M, R
p53 (Ser^{15})	H
p53 (Ser^{37})	H, K
p53 (Ser^{46})	H, K
p70 S6 kinase (Thr^{421}/Ser^{424})	H, M, R
p90RSK (Thr^{359}/Ser^{363})	H, M, R
PDGF receptor-β (Tyr^{751})	H, M, R
Src (Tyr^{416})	H, M, R
STAT2 (Tyr^{689})	H
STAT3 (Ser^{727})	H, M, R
STAT3 (Tyr^{705})	H, M, R
STAT6 (Tyr^{641})	H, M
TrkA (Tyr^{490})	H, M, R
Tyk2 (Tyr^{1054}/Tyr^{1055})	H

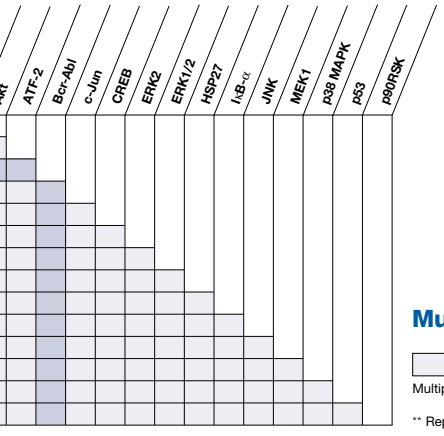


* H, human; M, mouse; R, rat; K, monkey.

Phosphoprotein Singleplex Assay	Tested Antibody Species*
EGFR (Tyr)	H
S6 ribosomal protein (Ser^{235}/Ser^{236})	H, M, R

Bio-Plex Total Target Assays

Total Target Assay	Tested Antibody Species*
Akt	H, M, R
ATF-2	H
Bcr-Abl	H, M, R
c-Jun	H, M, R
CREB	H, M, R
ERK2	H, M, R
ERK1/2	H, M
HSP27	H, K
IκB-α	H
JNK	H
MEK1	H, M, R
p38 MAPK	H, M
p53	H
p90RSK	H, M, R



* H, human; M, mouse; R, rat; K, monkey.

Multiplexing Key**

** Representative data are based on lysates provided with the assay (in-house cell lines).

© 2007 Bio-Rad Laboratories, Inc.