

Assays	Phosphoprotein	Total
Akt Signaling		
Akt (Ser ⁴⁷³)	●	●
GSK-3alpha/beta (Ser ²¹ /Ser ⁹)	●	
Cell Cycle/Checkpoint Control		
p53 (Ser ¹⁵)	●	●
p53 (Ser ³⁷)	●	●
p53 (Ser ⁴⁶)	●	●
Chromatin Regulation/Acetylation		
Histone H3 (Ser ¹⁰)	●	
Immunology/Inflammation		
IkappaB-alpha (Ser ³² /Ser ³⁶)	●	●
NF-kappaB p65 (Ser ⁵³⁶)	●	
STAT2 (Tyr ⁶⁸⁹)	●	
STAT3 (Ser ⁷²⁷)	●	
STAT3 (Tyr ⁷⁰⁵)	●	
STAT6 (Tyr ⁶⁴¹)	●	
Tyk2 (Tyr ¹⁰⁵⁴ /Tyr ¹⁰⁵⁵)	●	
Glucose/Energy Metabolism		
IGF-IR (Tyr ¹¹³¹)	●	
IR-beta (Tyr ¹¹⁴⁶)	●	
IRS-1 (Ser ⁶³⁶ /Ser ⁶³⁹)	●	
MAP Kinase Signaling		
ATF-2 (Thr ⁷¹)	●	●
c-Jun (Ser ⁶³)	●	●
ERK1 (Thr ²⁰² /Tyr ²⁰⁴)	●	
ERK2 (Thr ¹⁸⁵ /Tyr ¹⁸⁷)	●	●
ERK1/2 (Thr ²⁰² /Tyr ²⁰⁴ , Thr ¹⁸⁵ /Tyr ¹⁸⁷)	●	●
HSP27 (Ser ⁷⁸)	●	●
JNK (Thr ¹⁸³ /Tyr ¹⁸⁵)	●	●
MEK1 (Ser ²¹⁷ /Ser ²²¹)	●	●
p38 MAPK (Thr ¹⁸⁰ /Tyr ¹⁸²)	●	●
p90RSK (Thr ³⁵⁹ /Ser ³⁶³)	●	●
Neuroscience		
CREB (Ser ¹³³)	●	●
TrkA (Tyr ⁴⁹⁰)	●	
Translational Control		
p70 S6 kinase (Thr ⁴²¹ /Ser ⁴²⁴)	●	
S6 ribosomal protein (Ser ²³⁵ /Ser ²³⁶) (single-plex only)	●	
Tyrosine Kinases		
Bcr-Abl (Tyr ²⁴⁵)	●	●
c-Abl (Tyr ²⁴⁵)	●	
c-Abl (Tyr ⁴¹²)	●	
EGFR (Tyr) (single-plex only)	●	
PDGF receptor-beta (Tyr ⁷⁵¹)	●	
Src (Tyr ⁴¹⁶)	●	

To view a chart showing which multiplexable phosphoprotein assays cannot be multiplexed together, click:

http://www.bio-rad.com/images/phosphoprotein_assay_chart.gif