PHOSPHO-SITE PROFILING SERVICES

KPSS 1.3



Rat Brain Cortex

Reversible phosphorylation is the major form of post-translational modification and regulation of proteins in eukarvotic cells. Kinexus has tested over 800 commercial phospho-site antibodies for incorporation of the best of these into our Kinetworks™ **KPSS services. The KPSS** screens utilize from 34 to 42 phospho-site antibodies, and work in human, mouse, rat and many other species due to the high conservation of phospho-sites. In addition to tracking over 200 known phospho-sites, hundreds of other phosphorylation sites can also be visualized by cross-reactivity. With antibody-based phosphoprotein discovery, it is often possible to quickly follow up with Western blotting, immunoprecipitation, immunohistochemistry and flow cytometry studies. Kinetworks[™] is unmatched for breadth, accuracy, reproducibility, convenience, turnaround time and affordability.

Adducin- α S726 Adducin-γ S693 B23 (NPM) S4 CDK1/2T14+Y15 **CREB1 S133** Erk1 T202+Y204 Erk2 T185+Y187 GSK3 α S21 **GSK3**α **Y279 GSK3**β **S9 GSK3**β **Y216** JNK T183+Y185 Jun S73 MEK1 S217+S221 **MEK3 S189 MEK6 S207** Msk1 S376 NR1 S896 **p38**α **MAPK T180+Y182** PKBα (Akt1) T308 PKBα (Akt1) S473 **PKC**α **S657** PKC α/β 2 T638/T641 **PKC**δ **T507 PKC**ε **S729 PKR1 T451** Raf1 S259 **Rb S780** Rb S807+S811 RSK1/2T359/T365

S6Kα **T389**

Src Y418 Src Y529

STAT1 Y701

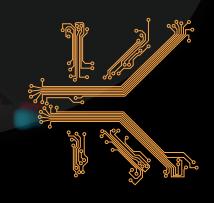
STAT3 S727

STAT5 Y694

Smad1/5/9 S463+S465

Kinetworks™ is unmatched for:

- CONVENIENCE
- ACCURACY
- HIGH SENSITIVITY
- FAST TURN AROUND
- REPRODUCIBILITY
- AFFORDABILITY
- QUANTIFICATION
- BREADTH



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