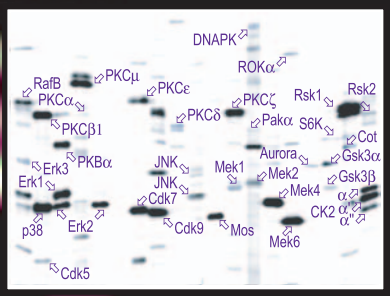
KINEXUS

KiNeTWORKS™

PROTEIN KINASE & PHOSPHATASE EXPRESSION PROFILING SERVICES

KPKS 1.2.A

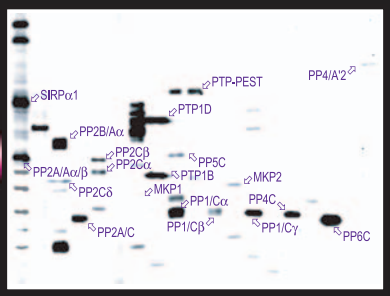


Mouse Fetal Lung

KPKS 1.2.B

Mouse Fetal Lung

KPPS 1.2



Rat Brain Cortex

Reversible phosphorylation is the major form of post-translational modification and regulation of proteins in eukaryotic cells. In humans, this is catalyzed by at least 515 protein kinases and 138 protein phosphatases. Kinexus has tested over 1000 commercial kinase and phosphatase antibodies for incorporation of the best of these into our Kinetworks™ KPKS and KPPS services. With our Kinetworks™ Custom KCPS services, over 100 additional protein kinases can also be tracked. All of these screens have demonstrated profound species, organ and gender-related differences in kinase and phosphatase expression patterns. Kinetworks™ is unmatched for breadth, accuracy, reproducibility, convenience, turnaround time and affordability.

Protein Kinase Panel

Aurora2	FAK	PKA
BMX	Fyn	PKBα
BTK	GCK	PKCα
CaMK1δ	Grk2	PKCβ1
CaMK4	GSK3α	PKCγ
CaMKK	GSK3β	PKCδ
CDK1	Hpk1	PKCε
CDK2	IKKα	PKCλ
CDK4	IKKβ	PKCθ
CDK5	JAK1	PKCζ
CDK6	JAK2	PKD
CDK7	Ksr1	PKG1
CDK9	JNK	PKR1
CK1δ	Ksr1	Pyk2
CK1ε	Lck	Raf1
CK2α	Lyn	RafB
CK2α'	MEK1	ROKα
CK2α"	MEK2	RSK1
Cot	MEK4	RSK2
Csk	MEK6	S6Kα
DAPK1	Mnk2	S6Kβ
DNAPK	Mos	Src
eEF2K	Mst1	Syk
ERK1	p38α	Yes
ERK2	PAK1	ZAP70
ERK3	PAK3	ZIPK
ERK6	PDK1	

Protein Phosphatase Panel

CD45
Cdc25B
Cdc25C
KAP
LAR
MKP1
MKP2
PAC1
PP1/Cα
PP1/Cβ
PP1/Cγ
PP2A/Aα/β'
PP2A/Cα
PP2A/Cβ
PP2B/Aα
PP2Cα
PP2Cβ
PP2Cδ
PP4/A'2
PP4C
PP5C
PP6C
PTEN
PTP1B
PTP1C
PTP1D
PTP-PEST
SIRPα1
VHR

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