

Phospho-SAPK/JNK Pathway Antibody Sampler Kit

Cat# AK0236

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

The stress-activated protein kinase/Jun-amino-terminal kinase SAPK/JNK is potently and preferentially activated by a variety of environmental stresses including UV and gamma radiation, ceramides, inflammatory cytokines, and in some instances, growth factors and GPCR agonists. As with the other MAPKs, the core signaling unit is composed of a MAPKKK, typically MEKK1-MEKK4, or by one of the mixed lineage kinases (MLKs), which phosphorylate and activate MKK4/7. Upon activation, MKKs phosphorylate and activate the SAPK/JNK kinase. Stress signals are delivered to this cascade by small GTPases of the Rho family (Rac, Rho, cdc42). Both Rac1 and cdc42 mediate the stimulation of MEKKs and MLKs. Alternatively, MKK4/7 can be activated in a GTPase-independent mechanism via stimulation of a germinal center kinase (GCK) family member. There are three SAPK/JNK genes each of which undergoes alternative splicing, resulting in numerous isoforms. SAPK/JNK, when active as a dimer, can translocate to the nucleus and regulate transcription through its effects on c-Jun, ATF-2, and other transcription factors.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340251	Phospho-JNK1/2/3 (Thr183/Y185) Polyclonal Antibody	20µL	WB, ELISA	Human, Mouse, Rat	Rabbit
A340254	Phospho-MAP2K4 (Thr261) Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A340194	Phospho-ATF2 (Thr71) Polyclonal Antibody	20µL	WB, IHC, IP, ELISA	Human, Mouse, Rat	Rabbit
A340192	Phospho-JUN (Ser63) Polyclonal Antibody	20µL	WB, IHC, ELISA	Human, Mouse, Rat	Rabbit
A1013s	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120µL	WB, ELISA	Rabbit	Goat

PRODUCT USE LIMITATION

These products are intended for research use only.