

## JNK1/2/3 (Phospho-Y185) polyclonal antibody

Catalog: BS4764

Host: Rabbit

Reactivity: Human,Rat,Mouse

### BackGround:

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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

### Molecular Weight:

~ 46, 54 kDa

### Swiss-Prot:

P45983/P45984/P53779

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:2000~1:5000

IF: 1:100~1:500

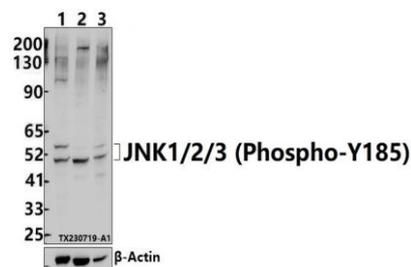
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

JNK1/2/3 (Phospho-Y185) polyclonal antibody detects endogenous levels of JNK1/2/3 protein only when phosphorylated at Tyr185.

### DATA:

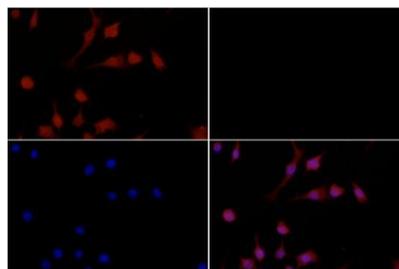


Western blot (WB) analysis of JNK1/2/3 (Phospho-Y185) polyclonal antibody at 1:5000 dilution

Lane1:HEK293T whole cell lysate(30ug)

Lane2:3T3-L1 whole cell lysate(30ug)

Lane3:PC12 whole cell lysate(30ug)



Immunofluorescence analysis of NIH-3T3 cells using JNK1/2/3 (Phospho-Y185)pAb at dilution of 1:200 (40x lens).

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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