

JNK1/2/3 polyclonal antibody

Catalog: BS80221

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

JNK belongs to MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. JNK is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. JNK is expressed as ten different isoforms due to differential mRNA splicing. The predominant forms are JNK1, JNK2, and JNK3

Product:

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

Molecular Weight:

46kDa/54kDa

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, 1:500 - 1:2000 | IHC, 1:50 - 1:200 | IF/ICC, 1:50 - 1:200 | IP, 1:50 - 1:100

Storage&Stability:

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

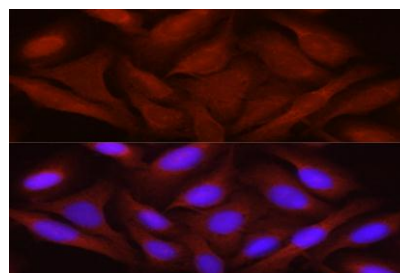
Modification:

Unmodification

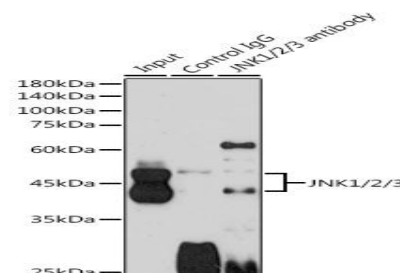
DATA:

Western blot analysis of extracts of various cell lines, using JNK1/2/3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 5s.

Immunohistochemistry of paraffin-embedded human lung cancer using JNK1/2/3 Rabbit pAb at dilution of 1:100. Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of U2OS cells using JNK1/2/3 Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 600ug extracts of Mouse brain cells using 3ug JNK1/2/3 antibody. Western blot was performed from the immunoprecipitate using JNK1/2/3 antibody at a dilution of 1:1000.

Note:

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

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