

Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb

Catalog No.: AP0631

Recombinant

7 Publications

Basic Information

Catalog No.

AP0631

Observed MW

46kDa

Calculated MW

35kDa/44kDa/48kDa/27kDa/52kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

Contact

 | www.abclonal.com

Background

The protein encoded by this gene is a member of the 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. This kinase 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. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Apr 2016]

Immunogen Information

Gene ID

5599/5601/5602

Swiss Prot

P45983/P45984/P53779

Immunogen

A phospho specific peptide corresponding to residues surrounding T183/T183/T221 of human JNK1/2/3

Synonyms

JNK1/JNK2/JNK3

Product Information

Source

Rabbit

Isotype

IgG

Purification

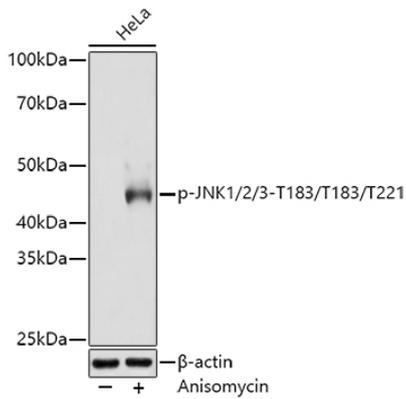
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of HeLa cells, using Phospho-JNK1/2/3-T183/T183/T221 antibody (AP0631) at 1:3000 dilution. HeLa cells were treated by Anisomycin (25 ug/ml) at 37°C for 30 minutes after serum-starvation overnight.

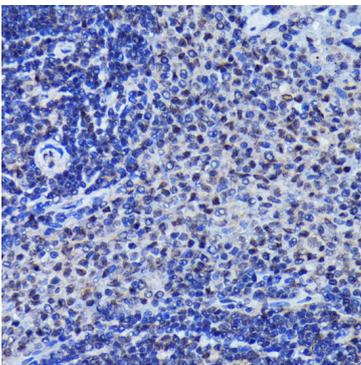
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

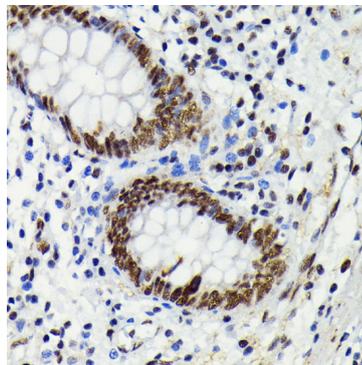
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

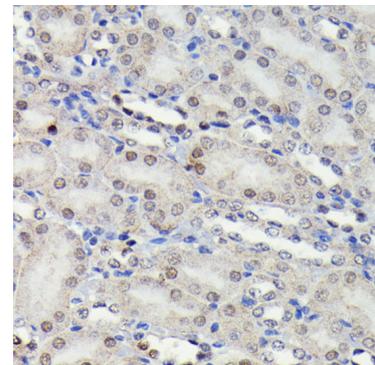
Exposure time: 180s.



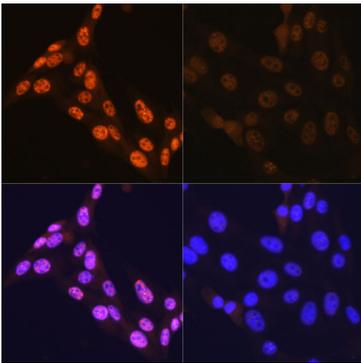
Immunohistochemistry of paraffin-embedded rat spleen using Phospho-JNK1/2/3-T183/T183/T221 antibody (AP0631) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human appendix using Phospho-JNK1/2/3-T183/T183/T221 antibody (AP0631) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using Phospho-JNK1/2/3-T183/T183/T221 antibody (AP0631) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of NIH-3T3 cells using Phospho-JNK1/2/3-T183/T183/T221 antibody (AP0631). NIH-3T3 cells were treated by Anisomycin (25 ug/mL) at 37°C for 30 minutes after serum-starvation overnight. Blue: DAPI for nuclear staining.