

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

Catalog No.: AP0631

Recombinant

86 Publications

Basic Information

Observed MW

46 kDa/54 kDa

Calculated MW

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

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0193

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]

Recommended Dilutions

| | |
|-----------|-----------------|
| WB | 1:1000 - 1:2000 |
|-----------|-----------------|

| | |
|--------------|--------------|
| IHC-P | 1:50 - 1:200 |
|--------------|--------------|

| | |
|---------------|--------------|
| IF/ICC | 1:50 - 1:200 |
|---------------|--------------|

| | |
|--------------|---|
| ELISA | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
|--------------|---|

Immunogen Information

Gene ID

5599/5601/5602

Swiss Prot

P45983/P45984/P53779


Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

JNK1/JNK2/JNK3; Phospho-JNK1/2/3-T183/T183/T221

Contact

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|  | | 400-999-6126 |
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Product Information

Source

Rabbit

Isotype

IgG

Purification

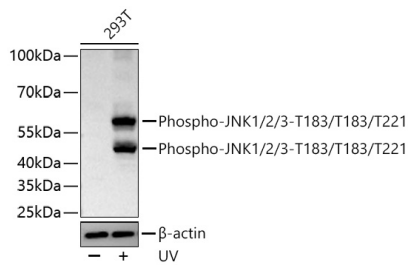
Affinity purification

Storage

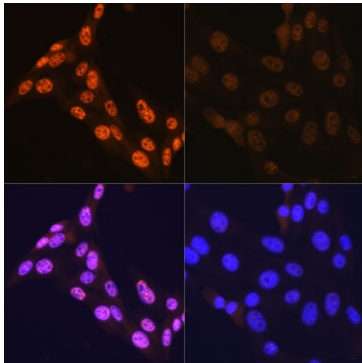
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

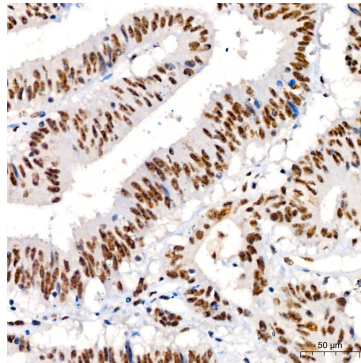
Validation Data



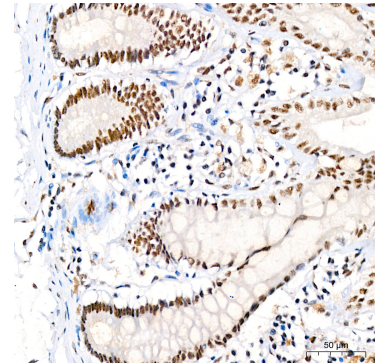
Western blot analysis of lysates from 293T cells using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at 1:1000 dilution incubated overnight at 4°C. 293T cells were treated with UV (90mJ/cm²) at 37°C for 30min
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 90 s.



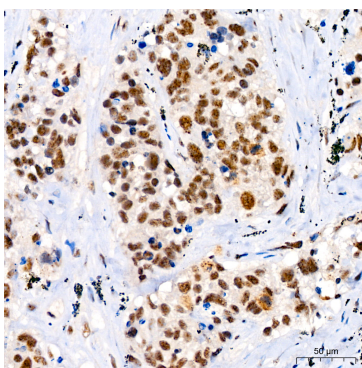
Immunofluorescence analysis of NIH-3T3 cells using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631). NIH-3T3 cells were treated with Anisomycin (25 µg/mL) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



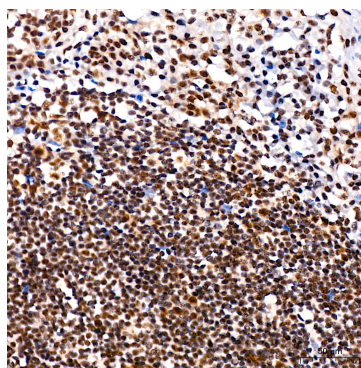
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



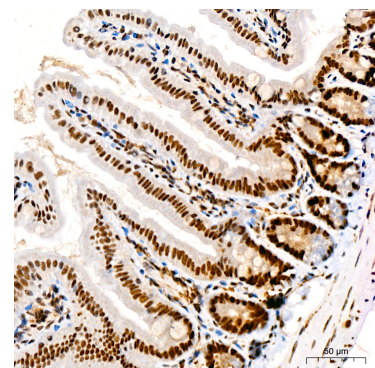
Immunohistochemistry analysis of paraffin-embedded Human colon using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

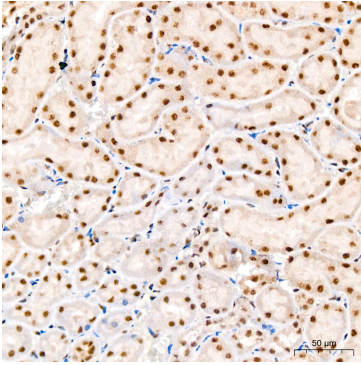


Immunohistochemistry analysis of paraffin-embedded Human tonsil using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

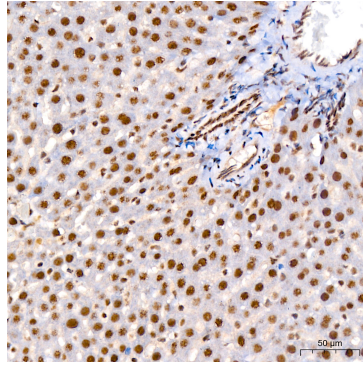


Immunohistochemistry analysis of paraffin-embedded Mouse colon using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Rat kidney using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.