

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

Catalog No.: AP0631 **Recombinant** **51 Publications**

Basic Information

Observed MW

46kDa/54kDa

Calculated MW

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

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

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 cytochrome 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 - 1:5000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

5599/5601/5602

Swiss Prot

P45983/P45984/P53779

Immunogen

A synthetic phosphorylated peptide around T183 of human JNK1 (P45983).

Synonyms

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

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

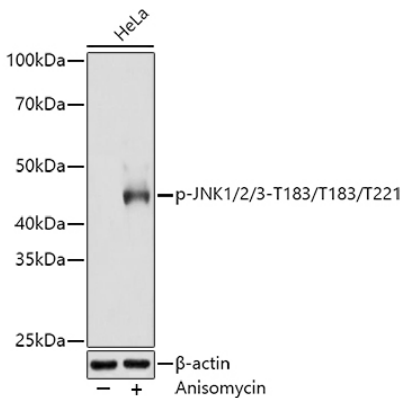
Affinity purification

Storage

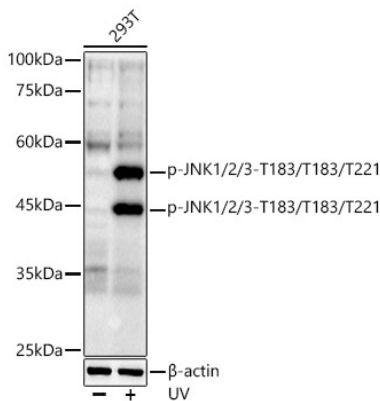
Store at -20°C. Avoid freeze / thaw cycles.

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

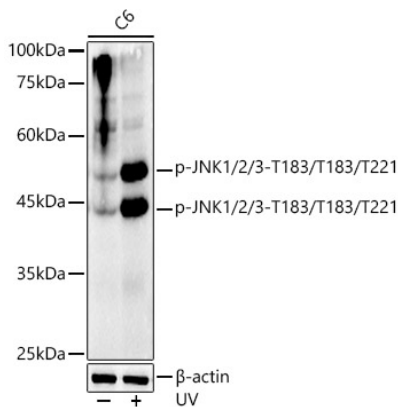
Validation Data



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 µg/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: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.

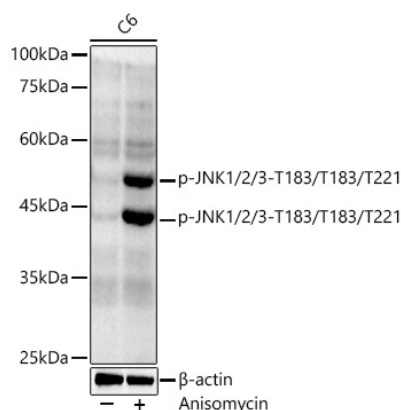


Western blot analysis of extracts of 293T, using Phospho-JNK1/2/3-T183/T183/T221 antibody (A23099) at 1:1000 dilution. 293T cells were treated by UV at room temperature for 15-30 minutes.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

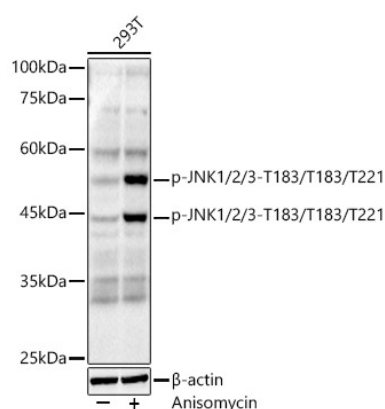


Western blot analysis of extracts of C6, using Phospho-JNK1/2/3-T183/T183/T221 antibody (A23099) at 1:1000 dilution. C6 cells were treated by UV at room temperature for 15-30 minutes.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

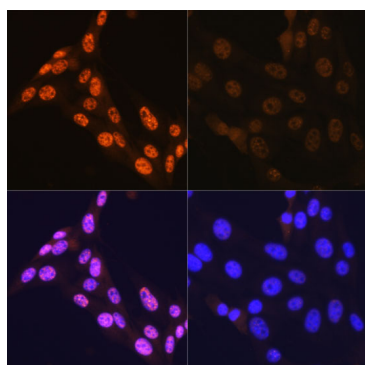
Validation Data



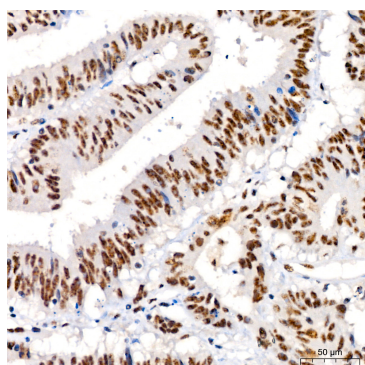
Western blot analysis of extracts of C6, using Phospho-JNK1/2/3-T183/T183/T221 antibody (A23099) at 1:1000 dilution. C6 cells were treated by Anisomycin (25 µg/mL) at 37°C for 20 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



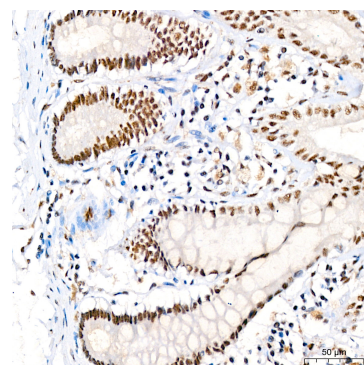
Western blot analysis of extracts of 293T, using Phospho-JNK1/2/3-T183/T183/T221 antibody (A23099) at 1:1000 dilution. 293T cells were treated by Anisomycin (25 µg/mL) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



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

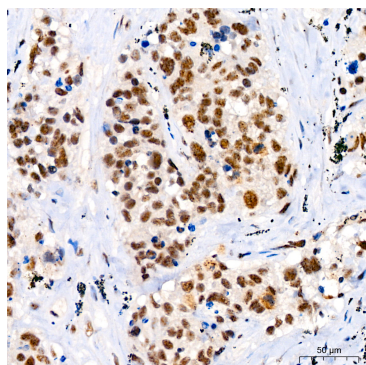


Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

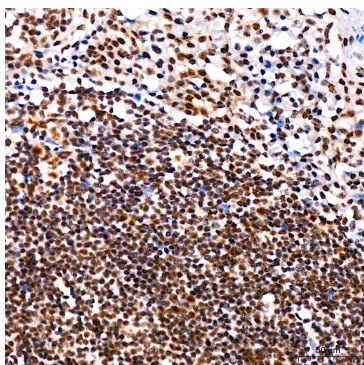


Immunohistochemistry analysis of paraffin-embedded human colon using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

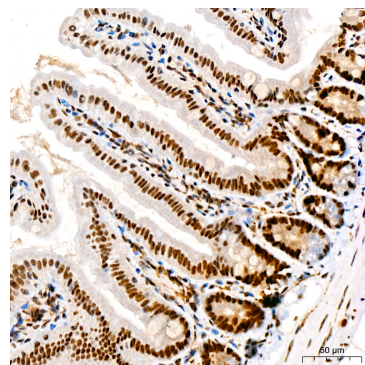
Validation Data



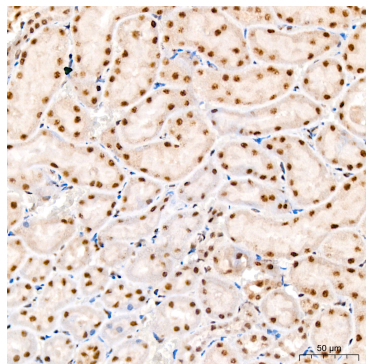
Immunohistochemistry analysis of paraffin-embedded human lung squamous carcinoma tissue using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



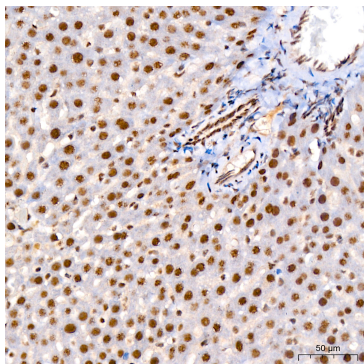
Immunohistochemistry analysis of paraffin-embedded human tonsil using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



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). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



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). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



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). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.