AP0631

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

Catalog No.: AP0631 Recombinant 63 Publications

Basic Information

Observed MW
46kDa/54kDa

Calculated MW
35kDa/44kDa/48kDa/27kDa/52kDa

Category
SMab Recombinant Monoclonal 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 - 1:5000
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

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Product Information

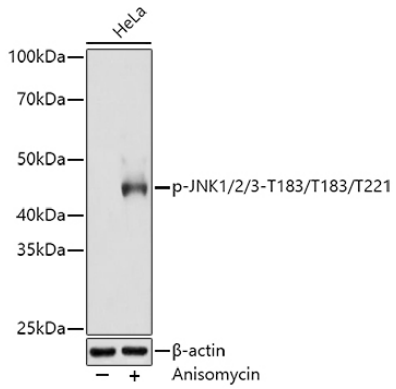
Source
Rabbit

Isotype
IgG

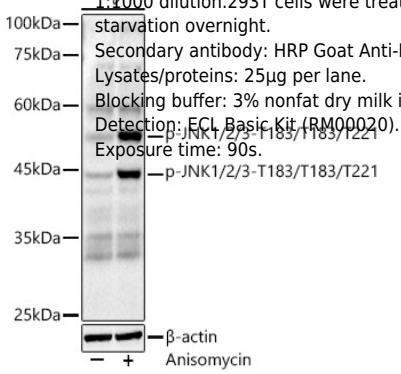
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

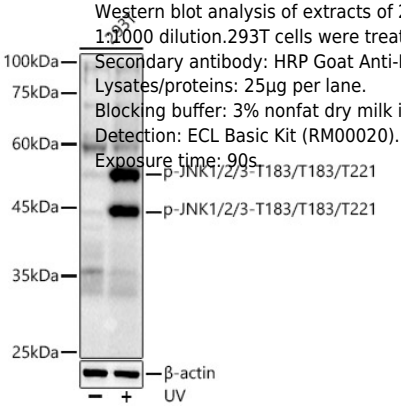
Validation Data



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℃ 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.

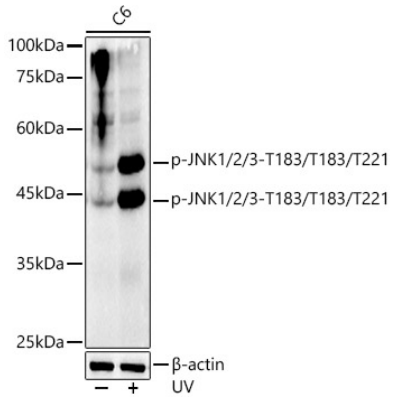


Western blot analysis of extracts of 293T, using Phospho-JNK1/2/3-T183/T183/T221 antibody (A23099) at 1:1000 dilution.293T cells were treated by Anisomycin (25 μg/mL) at 37℃ for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.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

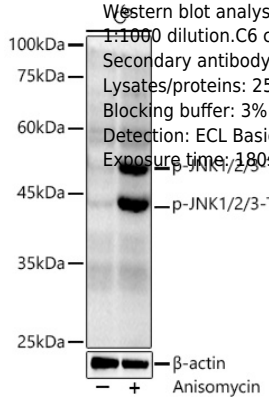


Western blot analysis of extracts of 293T, using Phospho-JNK1/2/3-T183/T183/T221 antibody (A23099) at 1:1000 dilution.293T cells were treated by UV at room temperature for 15-30 minutes.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking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

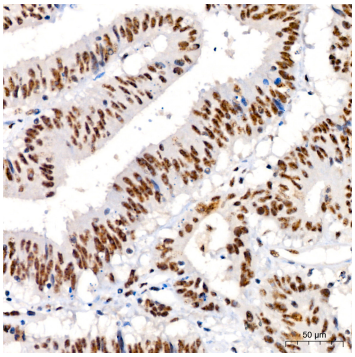
Validation Data



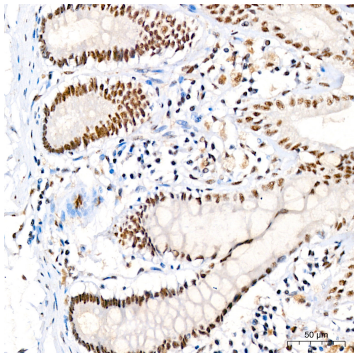
Western blot analysis of extracts of C6, using Phospho-JNK1/2/3-T183/T183/T221 antibody (A23099) at 1:1000 dilution.C6 cells were treated by UV at room temperature for 15-30 minutes.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking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



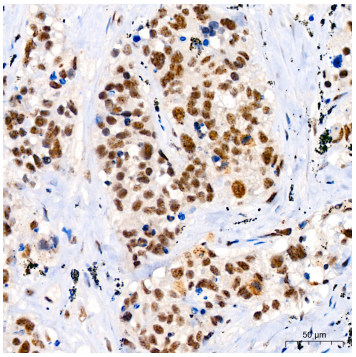
Western blot analysis of extracts of C6, using Phospho-JNK1/2/3-T183/T183/T221 antibody (A23099) at 1:1000 dilution.C6 cells were treated by Anisomycin (25 µg/mL) at 37℃ for 20 minutes.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking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



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.

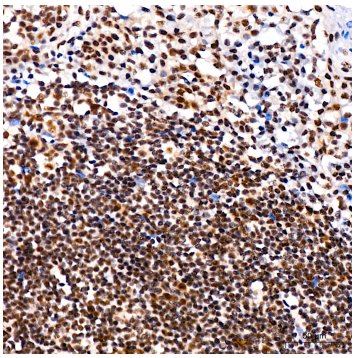


Immunohistochemistry analysis of paraffin-embedded human colon using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

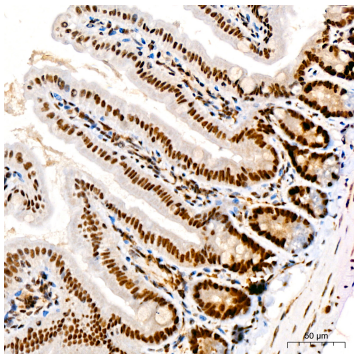


Immunohistochemistry analysis of paraffin-embedded human lung squamous carcinoma tissue using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

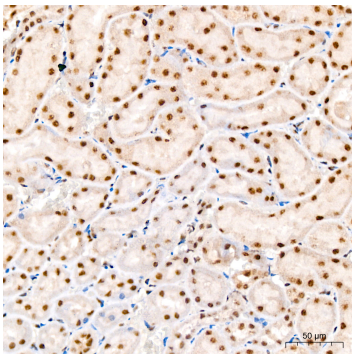
Validation Data



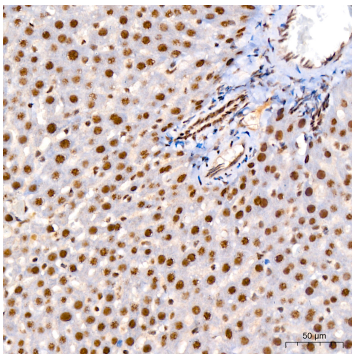
Immunohistochemistry analysis of paraffin-embedded human tonsil using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



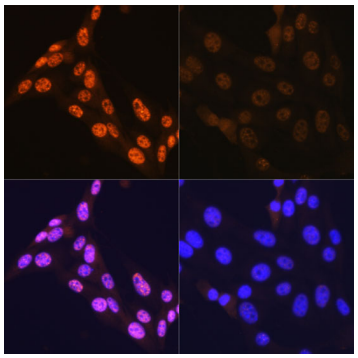
Immunohistochemistry analysis of paraffin-embedded mouse colon using Phospho-JNK1/2/3-T183/T183/T221 Rabbit mAb (AP0631) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



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.



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℃ for 30 minutes after serum-starvation overnight. Blue: DAPI for nuclear staining.