

# Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223 Rabbit mAb

Catalog No.: AP1337 **Recombinant** **8 Publications**

## Basic Information

**Observed MW**

46kDa/54kDa/

**Calculated MW**

48kDa/52kDa

**Category**

Primary antibody

**Applications**

WB,IF-P,IHC-P,ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC55880

## 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**IF-P** 1:50 - 1:200**IHC-P** 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**

JNK1/2/3; SAPK; Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

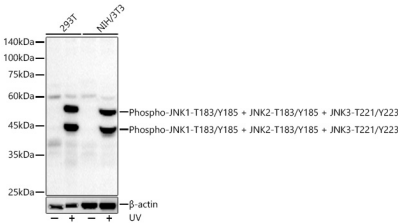
Affinity purification

**Storage**

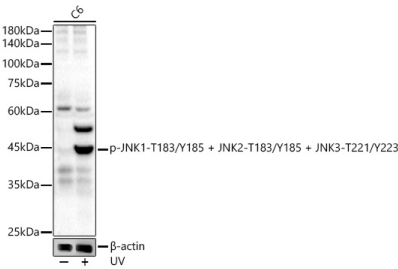
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

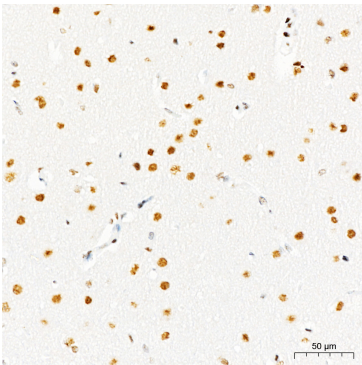
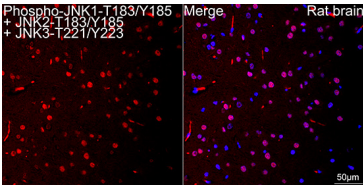
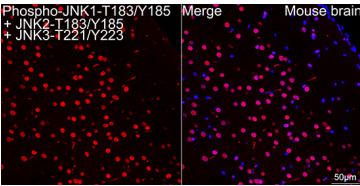
Validation Data



Western blot analysis of various lysates, using Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223 Rabbit mAb (AP1337) at1:2000 dilution. 293T and NIH/3T3 cells were treated with UV at room temperature for 15-30 minutes.  
Secondary antibody: HRP-conjugated 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: 30s.



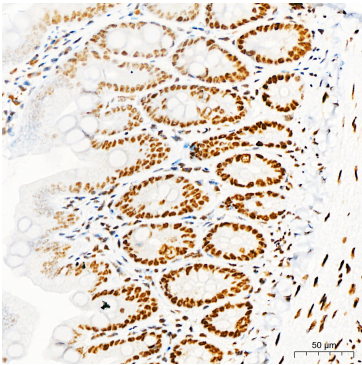
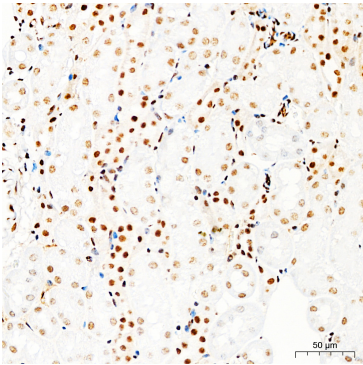
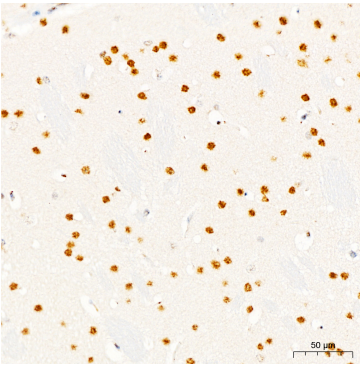
Western blot analysis of various lysates, using Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223 Rabbit mAb (AP1337) at1:2000 dilution. C6 cells were treated with UV at room temperature for 15-30 minutes.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



Confocal imaging of paraffin-embedded Mouse brain tissue using Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223 Rabbit mAb (AP1337, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of paraffin-embedded Rat brain tissue using Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223 Rabbit mAb (AP1337, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223 Rabbit mAb (AP1337) at a 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-

Immunohistochemistry analysis of paraffin-

Immunohistochemistry analysis of paraffin-

# Validation Data

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embedded Mouse brain tissue using Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223 Rabbit mAb (AP1337) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.	embedded Mouse kidney tissue using Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223 Rabbit mAb (AP1337) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.	embedded Rat colon tissue using Phospho-JNK1-T183/Y185 + JNK2-T183/Y185 + JNK3-T221/Y223 Rabbit mAb (AP1337) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.
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