

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

Catalog No.: AP1337 **Recombinant** **4 Publications**

Basic Information

Observed MW

46kDa/54kDa/

Calculated MW

48kDa/52kDa

Category

Primary antibody

Applications

ELISA,WB,IHC-P,IF/ICC

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
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 MAPK8 (NP_620637.1).

Synonyms

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

Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

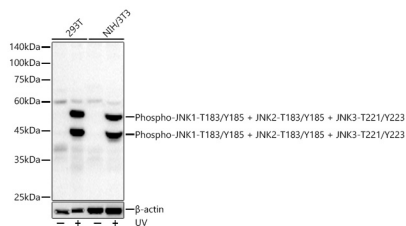
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300,0.05% 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) at 1:2000 dilution. 293T and NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes.

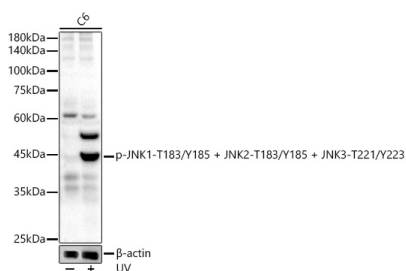
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

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) at 1:2000 dilution. C6 cells were treated by UV at room temperature for 15-30 minutes.

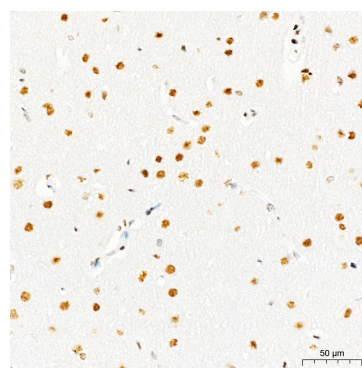
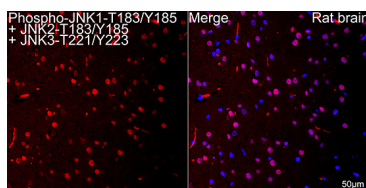
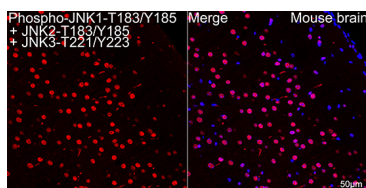
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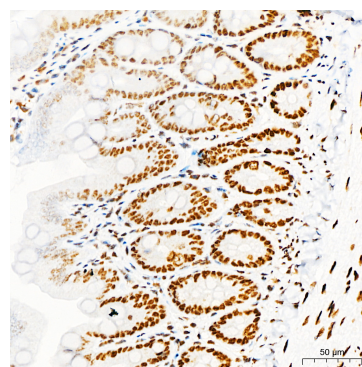
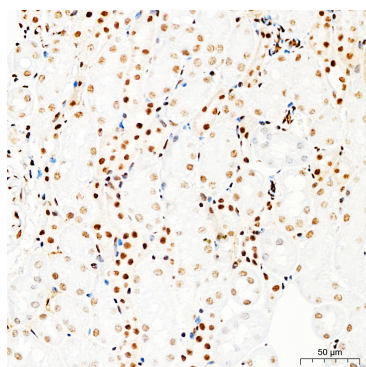
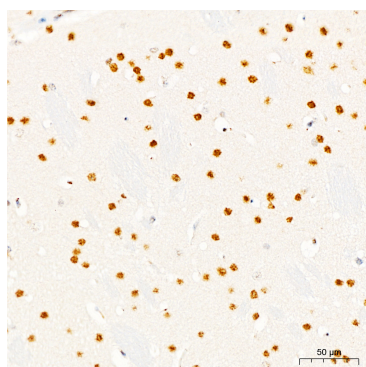
Exposure time: 30s.



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 Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-

Immunohistochemistry analysis of paraffin-

Immunohistochemistry analysis of paraffin-

Validation Data

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 Bufferr (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 Bufferr (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 Bufferr (pH 6.0) prior to IHC staining.