

Phospho-JNK1/2-T183/Y185 Rabbit mAb

Catalog No.: AP1649 **Recombinant**

Basic Information

Observed MW

46 kDa/54 kDa

Calculated MW

27-48 kDa

Category

Primary antibody

Applications

WB, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC4250

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.

Recommended Dilutions

WB 1:3000 - 1:7000**IP** 0.5 µg - 4 µg antibody for
200 µg - 400µg extracts of
whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Contact

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

Immunogen Information

Gene ID

5599/5601

Swiss Prot

P45983/P45984

Immunogen

This information is considered to be commercially sensitive.

Synonyms

JNK; JNK1; PRKM8; SAPK1; JNK-46; JNK1A2; SAPK1c; JNK21B1/2; JNK2; SAPK; p54a; JNK2A; JNK2B; PRKM9; JNK-55; SAPK1a; JNK2BETA; p54aSAPK; JNK2ALPHA

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

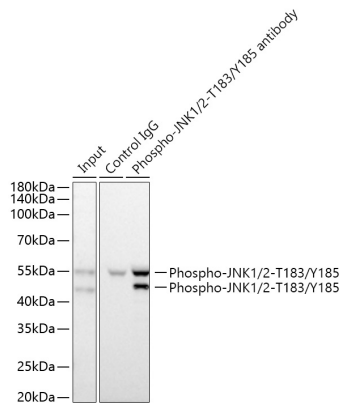
Store at -20°C. Avoid freeze / thaw cycles.

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

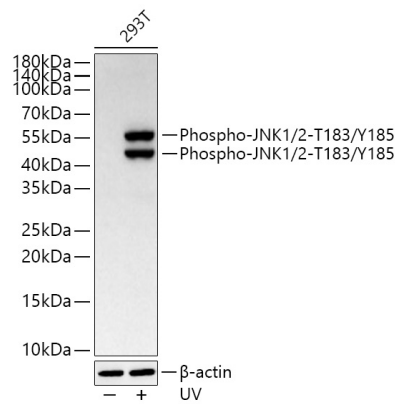


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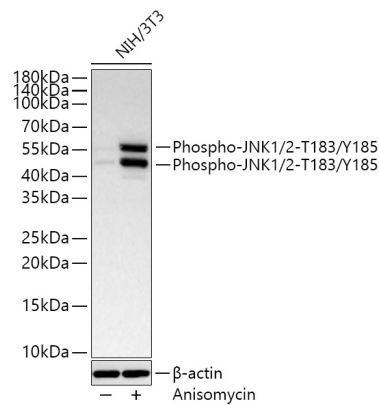
Validation Data



Immunoprecipitation of Phospho-JNK1/2-T183/Y185 from 300 µg extracts of HeLa cells treated with UV (50 mJ/cm², 1h) was performed using 2 µg of Phospho-JNK1/2-T183/Y185 Rabbit mAb (AP1649). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Phospho-JNK1/2-T183/Y185 Rabbit mAb (AP1649) at a dilution of 1:10000.

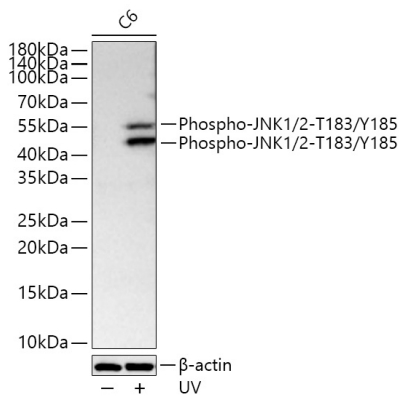


Western blot analysis of lysates from 293T cells using Phospho-JNK1/2-T183/Y185 Rabbit mAb (AP1649) at 1:7000 dilution incubated overnight at 4°C. 293T cells were treated with UV (50 mJ/cm²) at 37°C for 1 hour.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.



Western blot analysis of lysates from NIH/3T3 cells using Phospho-JNK1/2-T183/Y185 Rabbit mAb (AP1649) at 1:7000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with Anisomycin (250 ng/mL) at 37°C for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.

Validation Data



Western blot analysis of lysates from C6 cells using Phospho-JNK1/2-T183/Y185 Rabbit mAb (AP1649) at 1:7000 dilution incubated overnight at 4°C. C6 cells were treated with UV (120 mJ/cm²) at 37°C for 1 hour. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90 s.