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# JNK1/2/3 Rabbit mAb

## Catalog No.: A4867

Recombinant | 76 Publications

## Basic Information

**Observed MW**
46 kDa/54 kDa

**Calculated MW**
46 kDa/54 kDa

**Category**
Monoclonal Antibodies

**Applications**
WB, IF-P, IHC-P, ELISA

**Cross Reactivity**
Human, Mouse, Rat

**Clone No.**
ARC0291

## 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 - 1:4000 |
| **IF-P** | 1:100 - 1:800 |
| **IHC-P** | 1:800 - 1:3200 |

**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**
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

**Synonyms**
JNK; JNK-46; JNK1; JNK1A2; JNK21B1/2; PRKM8; SAPK1; SAPK1c; JNK1/2/3

## Contact


400-999-6126
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## Product Information

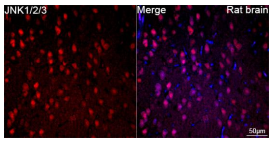
**Source**
Rabbit

**Isotype**
IgG

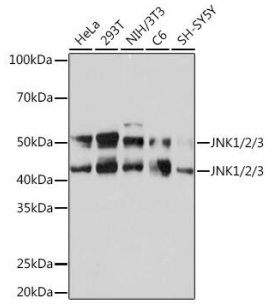
**Purity**
Affinity purification

**Storage**
Store at -20℃

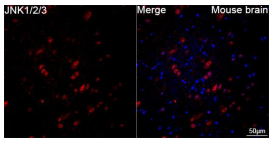
## Validation Data



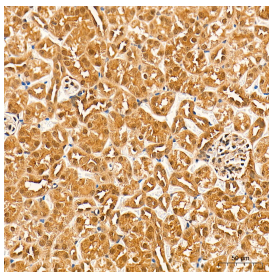

Confocal imaging of paraffin-embedded Rat brain tissue using JNK1/2/3 Rabbit mAb (A4867, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



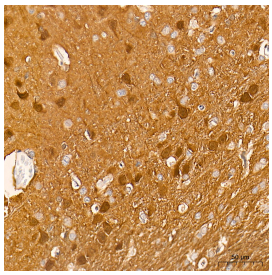

Western blot analysis of various lysates using JNK1/2/3 Rabbit mAb (A4867) at 1: 1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.




Confocal imaging of paraffin-embedded Mouse brain tissue using JNK1/2/3 Rabbit mAb (A4867, 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 Mouse kidney tissue using JNK1/2/3 Rabbit mAb (A4867) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using JNK1/2/3 Rabbit mAb (A4867) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.