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# [KD Validated] JNK1 Rabbit mAb

**Catalog No.: A21888** Recombinant 1 Publications

## Basic Information

**Observed MW**
44kDa/48kd

**Calculated MW**
48kDa

**Category**
Primary antibody

**Applications**
WB,Auto WB,IP,ELISA

**Cross-Reactivity**
Human, Mouse, Rat

**CloneNo number**
ARC2908

## 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** | 1:1000 - 1:2000 |
| **Auto WB** | 1:100 - 1:500 |
| **IP** | 0.5μg-4μg antibody for 400μg-600μg extracts of whole cells |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID**
5599

**Swiss Prot**
P45983

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
JNK; [KD Validated] JNK1

## Product Information

**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Contact


400-999-6126

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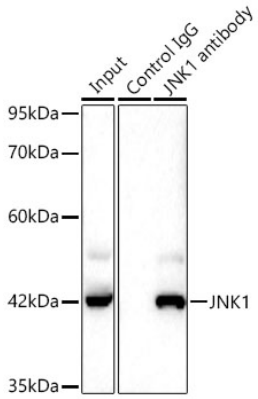
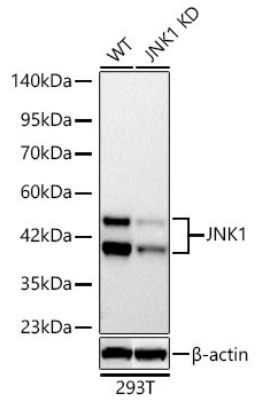
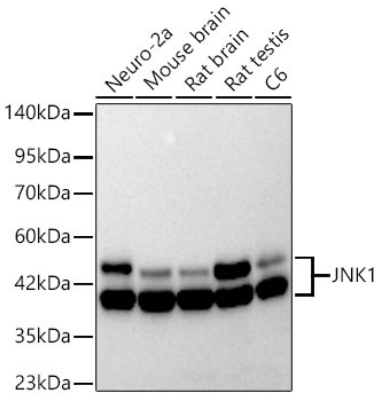
## Validation Data




Immunoprecipitation of [KD Validated] JNK1 from 500 µg extracts of C6 cells was performed using 2 µg of [KD Validated] JNK1 Rabbit mAb (A21888). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X non-reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KD Validated] JNK1 Rabbit mAb (A21888) at a dilution of 1:1000.

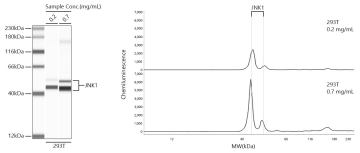



Western blot analysis of lysates from wild type(WT) and JNK1 knockdown (KD) 293T cells, using [KD Validated] JNK1 Rabbit mAb (A21888) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.




Western blot analysis of various lysates using [KD Validated] JNK1 Rabbit mAb (A21888) 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: 45s.

## Validation Data




Simple Western™ analysis of lysates from 293T cells using [KD Validated] JNK1 Rabbit mAb (A21888) at 1:100 dilution. The virtual lane view (left) shows the target band (as indicated) with samples in concentrations of 0.2 mg/mL and 0.7 mg/mL. The corresponding electropherogram view (right) plots chemiluminescence intensity against molecular weight along the capillary for sample concentrations of 0.2 mg/mL and 0.7 mg/mL. This experiment was performed under reducing conditions on the Jess™ Simple Western instrument from ProteinSimple, a BioTechne brand, using the 12-230 kDa separation module.