

JNK1/2/3 Rabbit pAb

Catalog No.: A18678 **4 Publications**

Basic Information

Observed MW

46kDa/54kDa

Calculated MW

35kDa/44kDa/48kDa/27kDa/52kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC, IP

Cross-Reactivity

Human, Mouse, Rat

Background

JNK belongs to 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. JNK 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. JNK is expressed as ten different isoforms due to differential mRNA splicing. The predominant forms are JNK1, JNK2, and JNK3

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 400µg-600µg extracts of whole cells

Contact

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Immunogen Information

Gene ID

5599/5601/5602

Swiss Prot

P45983/P45984/P53779

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-370 of human JNK1/2/3 (NP_620637.1).

Synonyms

Product Information

Source

Rabbit

Isotype

IgG

Purification

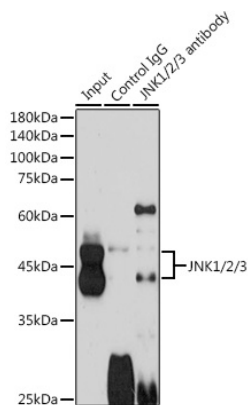
Affinity purification

Storage

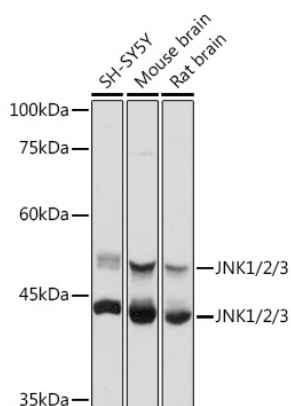
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

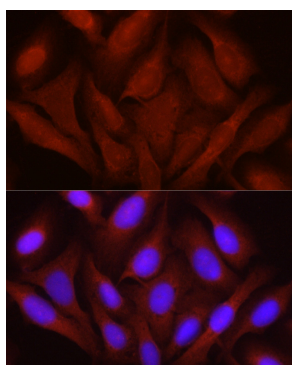
Validation Data



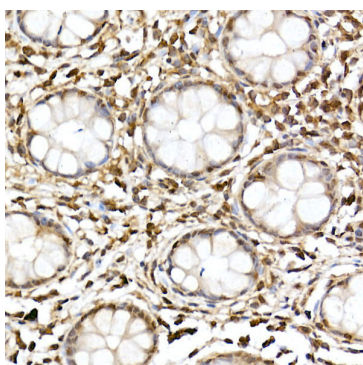
Immunoprecipitation analysis of 600 µg extracts of Mouse brain cells using 3 µg JNK1/2/3 antibody (A18678). Western blot was performed from the immunoprecipitate using JNK1/2/3 antibody (A18678) at a dilution of 1:1000.



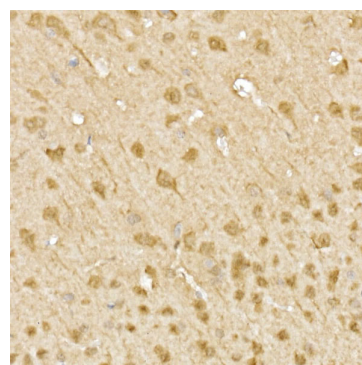
Western blot analysis of various lysates using JNK1/2/3 Rabbit pAb (A18678) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



Immunofluorescence analysis of U2OS cells using JNK1/2/3 Rabbit pAb (A18678) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

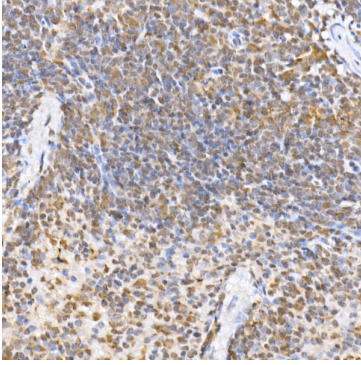


Immunohistochemistry analysis of paraffin-embedded human colon using JNK1/2/3 Rabbit pAb (A18678) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

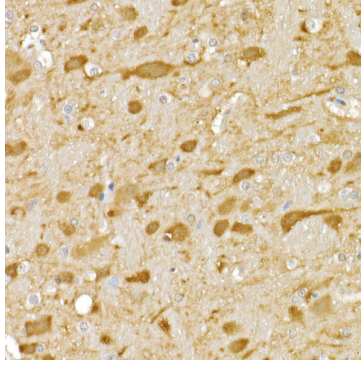


Immunohistochemistry analysis of paraffin-embedded mouse brain using JNK1/2/3 Rabbit pAb (A18678) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Validation Data



Immunohistochemistry analysis of paraffin-embedded mouse spleen using JNK1/2/3 Rabbit pAb (A18678) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat brain using JNK1/2/3 Rabbit pAb (A18678) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.