

JNK1 Rabbit pAb

Catalog NO.: A0288SP **50 Publications**

Basic Information

Observed MW

46 kDa/54 kDa

Calculated MW

35-48 kDa

Category

Polyclonal Antibodies

Applications

WB, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

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
IF-P	1:200 - 1:400
IHC-P	1:200 - 1:800

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

Immunogen Information

Gene ID	Swiss Prot
5599	P45983

Immunogen

This information is considered to be commercially sensitive.

Synonyms

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

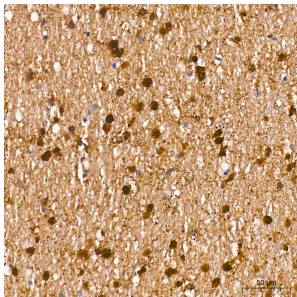
Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

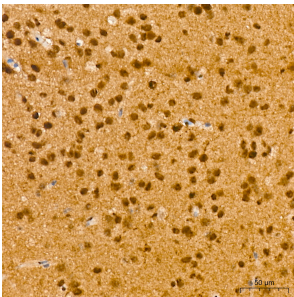
Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.		

Validation Data

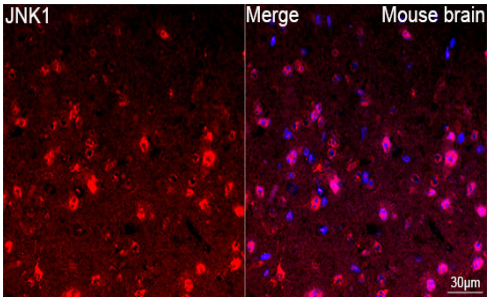
	Western blot analysis of various lysates using JNK1 Rabbit pAb (A0288SP) at 1:1000 dilution incubated overnight at 4°C.
	Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
	Lysates/proteins: 25 µg per lane.
	Blocking buffer: 3% nonfat dry milk in TBST.
	Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.	



Immunohistochemistry analysis of paraffin-embedded Human brain tissue using JNK1 Rabbit pAb (A0288SP) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using JNK1 Rabbit pAb (A0288SP) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Mouse brain tissue using JNK1 Rabbit pAb (A0288SP, dilution 1:200) followed by a further incubation with Cy3-conjugated 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.

