

## ARG43819 anti-SAPK / JNK antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SAPK / JNK
Tested Reactivity	Hu, Ms, Rat, Hm
Tested Application	IP, WB
Specificity	Human, Mouse, Rat, Hamster
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MAPK8
Species	Human
Immunogen	Synthetic peptide of human JNK.
Conjugation	Un-conjugated
Alternate Names	MAPK8; Mitogen-Activated Protein Kinase 8; SAPK1; JNK1; PRKM8; JNK; Stress-Activated Protein Kinase 1c; C-Jun N-Terminal Kinase 1; JUN N-Terminal Kinase; MAP Kinase 8; EC 2.7.11.24; JNK-46; SAPK1c; Stress-Activated Protein Kinase JNK1; Stress-Activated Protein Kinase 1; JNK21B1/2; EC 2.7.11; JNK1A2; SAPK1C; MAPK 8

### Application Instructions

Application table	Application	Dilution
	IP	1:20
	WB	1:500-1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	46-54 kDa	

### Properties

Form	Liquid
Purification	Affinity Purified
Buffer	Tris-Glycine, 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

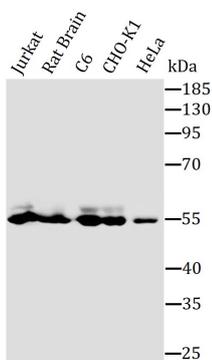
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

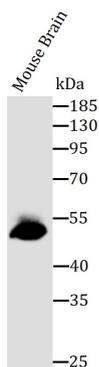
Gene Symbol	MAPK8
Gene Full Name	Mitogen-Activated Protein Kinase 8
Background	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, 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]
Function	JNK1 isoforms display different binding patterns: beta-1 preferentially binds to c-Jun, whereas alpha-1, alpha-2, and beta-2 have a similar low level of binding to both c-Jun or ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms. [UniProt]
Calculated Mw	48 kDa
PTM	Phosphoprotein, S-nitrosylation. [UniProt]
Cellular Localization	Cytoplasm, Nucleus, Synapse. [UniProt]

## Images



ARG43819 anti-SAPK / JNK antibody WB image

Western blot: Jurkat, Rat Brain, C6, CHO-K1 and HeLa cells stained with ARG43819 anti-SAPK / JNK antibody at 1:500 dilution.



ARG43819 anti-SAPK / JNK antibody WB image

Western blot: Mouse Brain stained with ARG43819 anti-SAPK / JNK antibody at 1:500 dilution.