

Product name:	JNK1 (1A4) Mouse Monoclonal Antibody
Cat number:	MABN03520
Conjugate:	Unconjugated
Size:	100µL
Clone:	1A4
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG2a
Immunogen:	A synthetic peptide corresponding to target protein.
Reactivity:	Human,Mouse,Rat
Applications:	Western Blot: 1:500-1:1000 Immunocytochemistry: 1:50-1:200 Immunofluorescence: 1:50-1:200
Molecular Weight:	48 kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Synonyms:	c Jun N terminal kinase 1; C-JUN kinase 1
Source:	Mouse

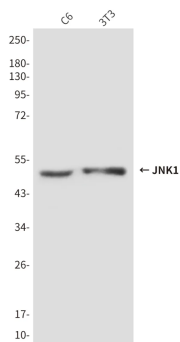
Background:

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.

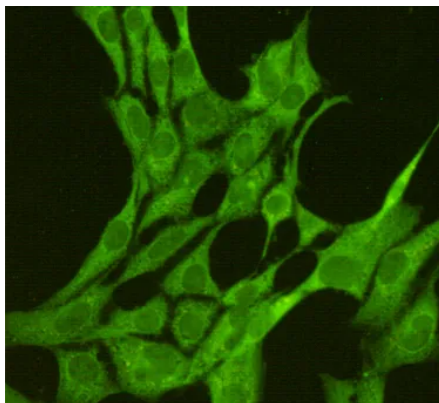
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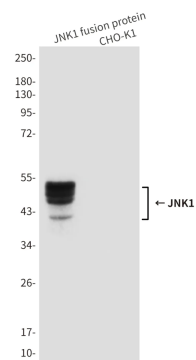
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Western blot analysis of JNK1 in C6 and 3T3 lysates using JNK1 antibody.



Immunofluorescence analysis of JNK1 (1A4) in 3T3 using JNK1 antibody.



Western blot analysis of JNK1 (1A4) in CHO-K1 cell lysates(B) and CHO-K1 transfected by JNK1 fragment fusion protein(A) cell lysates using JNK1 antibody.

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