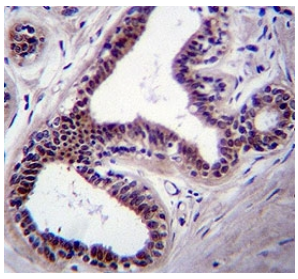
JNK Antibody / MAPK8 (F50464)

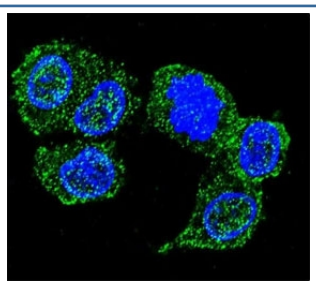
Catalog No.	Formulation	Size
F50464-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50464-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

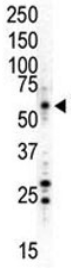
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P45983
Applications	Western Blot : 1:1000 Immunofluorescence : 1:10-1:50 IHC (Paraffin) : 1:10-1:50
Limitations	This JNK antibody is available for research use only.



JNK1 antibody immunohsitochemistry analysis in formalin fixed and paraffin embedded human breast tissue.



Confocal immunofluorescent analysis of JNK1 antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Western blot analysis of MAPK8/ JNK1 antibody and HL-60 (UV-treated) cell lysate.

Description

JNK1 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.

Application Notes

Titration of the JNK antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 358-389 from the human protein was used as the immunogen for this JNK antibody.

Storage

Aliquot the JNK antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.