

# JNK1 + 3 Polyclonal Antibody Cy5.5 Conjugated

Catalog No: #C00305Cy5.5

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## Description

Product Name	JNK1 + 3 Polyclonal Antibody Cy5.5 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF(IHC-P)
Species Reactivity	Hu Ms Rt D
Immunogen Description	KLH conjugated synthetic peptide aa 270-320 384 derived from human JNK1
Conjugates	Cy5.5
Target Name	JNK1 + 3
Other Names	JNK; JNK1; PRKM8; SAPK1; JNK-46; JNK1A2; SAPK1c; JNK21B1 2; Mitogen-activated protein kinase 8; MAP kinase 8; MAPK 8; Stress-activated protein kinase 1c; Stress-activated protein kinase JNK1; c-Jun N-terminal kinase 1; MAPK8
Accession No.	Swiss-Prot#:P45983NCBI Gene ID:5599
Cell Localization	Cytoplasm, Nucleus
Concentration	1mg ml
Formulation	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

## Application Details

IF:1:50-200

## Background

JNK1(MAPK8) 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 cytochrome 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. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. JNK1 is activated by threonine and tyrosine phosphorylation by either of two dual specificity kinases, MAP2K4 and MAP2K7. The JNK pathway is critically involved in diabetes and levels are abnormally elevated in obesity. The cell-permeable JNK inhibitory peptide may have promise as a therapeutic agent for diabetes.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.