

JNK1+2+3 Antibody Biotin Conjugated

Catalog No: #C04205B

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Description

Product Name	JNK1+2+3 Antibody Biotin Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 160-210 384 derived from mouse JNK1 2 3
Conjugates	Biotin
Target Name	JNK1+2+3
Other Names	JNK3; Serk2; JNK3B1; JNK3B2; p493F12; p54bSAPK; SAPK(beta); C238H4Rik; JNK; JNK1; Prkm8; SAPK1; AI849689; JNK2; Prkm9; AI85183; p54aSAPK; Mitogen-activated protein kinase 1; MAP kinase 1; MAPK 1; MAP kinase p49 3F12; Stress-activated protein kinase JNK3; c-Jun N-terminal kinase 3; Mapk1; Prkm1
Accession No.	Swiss-Prot#Q61831NCBI Gene ID264192642026414
Cell Localization	Cytoplasm, Nucleus
Concentration	1mg ml
Formulation	10mM Tris Buffered Saline containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

Application Details

Western blotting: 1:100-1000 Immunohistochemistry: 1:100-500

Background

Serine threonine-protein kinase involved in various processes such as neuronal proliferation, differentiation, migration and programmed cell death. Extracellular stimuli such as proinflammatory cytokines or physical stress stimulate the stress-activated protein kinase c-Jun N-terminal kinase (SAP JNK) signaling pathway. In this cascade, two dual specificity kinases MAP2K4 MKK4 and MAP2K7 MKK7 phosphorylate and activate MAPK1 JNK3. In turn, MAPK1 JNK3 phosphorylates a number of transcription factors, primarily components of AP-1 such as JUN and ATF2 and thus regulates AP-1 transcriptional activity. Plays regulatory roles in the signaling pathways during neuronal apoptosis. Phosphorylates the neuronal microtubule regulator STMN2. Acts in the regulation of the beta-amyloid precursor protein APP signaling during neuronal differentiation by phosphorylating APP. Participates also in neurite growth in spiral ganglion neurons.

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