JNK1+JNK3 Rabbit mAb

Catalog No: #49257

Package Size: #49257-1 50ul #49257-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

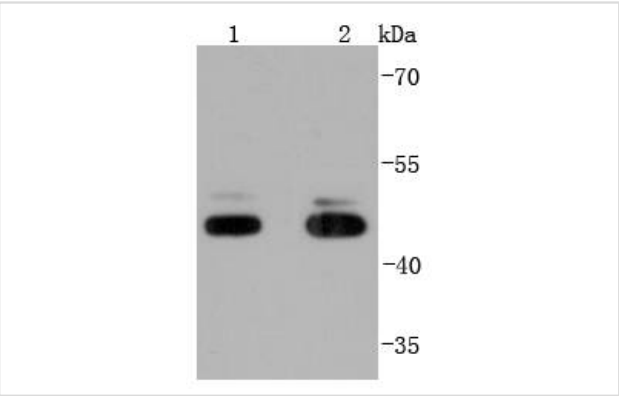
Description

Product Name	JNK1+JNK3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ08-86
Purification	ProA affinity purified
Applications	WB, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	c Jun N terminal kinase 3 antibody c Jun N-terminal kinase 1 antibody JNK 46 antibody JNK antibody JNK1 antibody JNK1A2 antibody JNK21B1/2 antibody JNK3 alpha protein kinase antibody JNK3 antibody JNK3A antibody JUN N terminal kinase antibody MAP kinase 10 antibody MAP kinase 8 antibody MAP kinase p49 3F12 antibody MAPK 10 antibody MAPK10 antibody MAPK8 antibody Mitogen activated protein kinase 10 antibody Mitogen activated protein kinase 8 antibody Mitogen activated protein kinase 8 isoform JNK1 alpha1 antibody Mitogen activated protein kinase 8 isoform JNK1 beta2 antibody p493F12 antibody p54bSAPK antibody PRKM10 antibody PRKM8 antibody SAPK1 antibody SAPK1b antibody SAPK1c antibody Stress activated protein kinase 1 antibody Stress activated protein kinase 1b antibody Stress activated protein kinase 1c antibody Stress activated protein kinase beta antibody Stress activated protein kinase JNK3 antibody
Accession No.	Swiss-Prot#:P45983
Uniprot	P45983
GeneID	5599;
Calculated MW	48 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:1,000-1:2,000

Images



Western blot analysis of JNK1+JNK3 on different lysates using anti-JNK1+JNK3 antibody at 1/1,000 dilution. Positive control: Lane 1: NIH/3T3 Lane 2: PC-12

Background

c-Jun N-terminal kinases (JNKs) phosphorylate and augment transcriptional activity of c-Jun. JNKs originate from three genes that yield 10 isoforms through alternative mRNA splicing, including JNK1a1,JNK1b1, JNK2a1, JNK2b1, and JNK3a1, which represent the p46 isoforms, and JNK1a2, JNK1b2, JNK2a2, JNK2b2, and JNK3b2, which represent the p54 isoforms.JNKs coordinate cell responses to stress and influence regulation of cell growth and transformation. The human JNK1 (PRKM8, SAPK1, MAPK8) gene maps to chromosome 10q11.22 and shares 83% amino acid identity with JNK2. JNK1 is necessary for normal activation and differentiation of CD4 helper T (TH) cells into TH1 and TH2 effector cells. Capsaicin activates JNK1 and p38 in ras-transformed human breast epithelial cells. Nitrogen oxides (NOx) upregulate JNK1 in addition to c-Fos, c-Jun, and other signaling kinases, including MEKK1 and p38. JNK3 (MK10, MAPK10, PRKM10) is activated by pro-inflammatory cytokines and environmental stresss by phosphorylating transcription factors such as c-Jun and ATF2. This is important for AP-1 transcriptional activity regulation. JNK3 is crucial for neuronal apoptosis (stress-induced).

References

Note: This product is for in vitro research use only