JNK1+JNK2+JNK3 Rabbit mAb

Catalog No: #48615

Package Size: #48615-1 50ul #48615-2 100ul

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

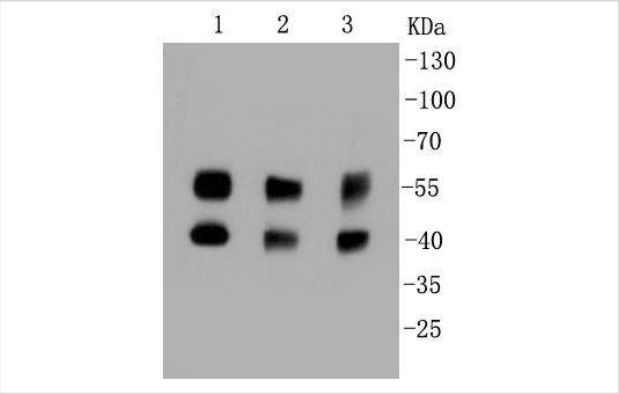
Description

Product Name	JNK1+JNK2+JNK3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SA43-06
Purification	ProA affinity purified
Applications	WB, ICC/IF, IP
Species Reactivity	Hu, Ms, Rt, Cow, Monkey, zebrafish
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	C Jun kinase 2 antibody c Jun N terminal kinase 1 antibody c Jun N terminal kinase 2 antibody c Jun N terminal kinase 3 antibody c-Jun N-terminal kinase 1 antibody JNK 46 antibody JNK 55 antibody JNK antibody JNK-46 antibody JNK1 antibody JNK1A2 antibody JNK2 antibody JNK21B1/2 antibody JNK2A antibody JNK2ALPHA antibody JNK2B antibody JNK2BETA antibody JNK3 alpha protein kinase antibody JNK3 antibody JNK3A antibody Jun kinase antibody JUN N terminal kinase antibody MAP kinase 10 antibody MAP kinase 8 antibody MAP kinase 9 antibody MAP kinase p49 3F12 antibody MAPK 10 antibody MAPK 8 antibody MAPK 9 antibody MAPK10 antibody mapk8 antibody MAPK9 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 Mitogen activated protein kinase 9 antibody Mitogen-activated protein kinase 8 antibody MK08_HUMAN antibody p493F12 antibody p54a antibody p54aSAPK antibody p54bSAPK antibody PRKM10 antibody PRKM8 antibody PRKM9 antibody SAPK antibody SAPK(beta) antibody SAPK1 antibody SAPK1a antibody SAPK1b antibody SAPK1c antibody Stress activated protein kinase 1 antibody Stress activated protein kinase 1a antibody Stress activated protein kinase 1b antibody Stress activated protein kinase 1c antibody Stress activated protein kinase beta antibody Stress activated protein kinase JNK1 antibody Stress activated protein kinase JNK2 antibody Stress activated protein kinase JNK3 antibody Stress-activated protein kinase 1c antibody Stress-activated protein kinase JNK1 antibody
Accession No.	Swiss-Prot#:P45983
Calculated MW	46/54 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

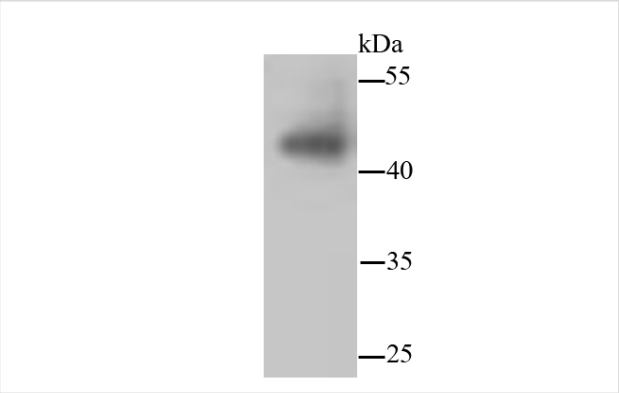
Application Details

WB: 1:1,000-5,000ICC: 1:50-1:200

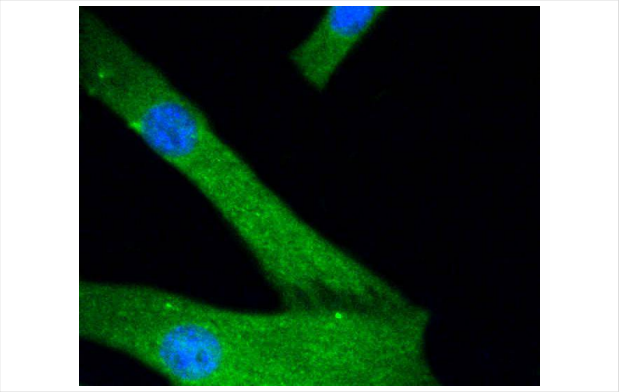
Images



Western blot analysis of JNK1+JNK2+JNK3 on different cell lysates using anti-JNK1+JNK2+JNK3 antibody at 1/1,000 dilution. Positive control:
Lane 1: Hela
Lane 2: PC12
Lane 3: K562
Lane 5: HepG2
Lane 6: Human lung



Western blot analysis of JNK1+JNK2+JNK3 on hybrid fish (crucian-carp) brain tissue lysate using anti-JNK1+JNK2+JNK3 antibody at 1/500 dilution.



ICC staining JNK1+JNK2+JNK3 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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.

References

1. Cantrell, M. et al. 2015. c-Jun N-terminal kinase 2 prevents luminal cell commitment in normal mammary glands and tumors by inhibiting p53/Notch1 and breast cancer gene 1 expression. Oncotarget. 6: 11863-11881.
2. Marampon, F. et al. 2015. Vitamin D protects endothelial cells from irradiation-induced senescence and apoptosis by modulating MAPK/SirT1 axis. Journal of endocrinological investigation.

Published Papers

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