

JNK2 Rabbit mAb

Catalog No: #48922

Package Size: #48922-1 50ul #48922-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

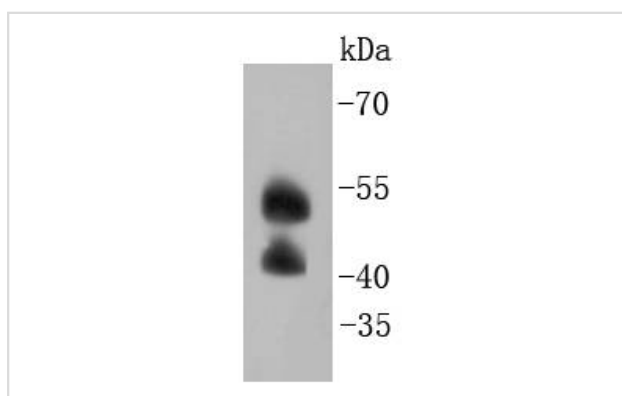
Description

Product Name	JNK2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC05-85
Purification	ProA affinity purified
Applications	WB, ICC, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	c Jun kinase 2 antibody C Jun N terminal kinase 2 antibody c-Jun N-terminal kinase 2 antibody JNK 55 antibody JNK-55 antibody JNK2 alpha antibody JNK2 antibody JNK2 beta antibody JNK2A antibody JNK2alpha antibody JNK2B antibody JNK2BETA antibody Jun kinase antibody MAP kinase 9 antibody MAPK 9 antibody Mapk9 antibody Mitogen activated protein kinase 9 antibody Mitogen-activated protein kinase 9 antibody MK09_HUMAN antibody P54a antibody p54aSAPK antibody PRKM9 antibody Protein kinase, mitogen-activated, 9 antibody SAPK alpha antibody SAPK antibody SAPK1a antibody Stress activated protein kinase 1a antibody Stress-activated protein kinase JNK2 antibody
Accession No.	Swiss-Prot#:P45984
Uniprot	P45984
GeneID	5601;
Calculated MW	46/54 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

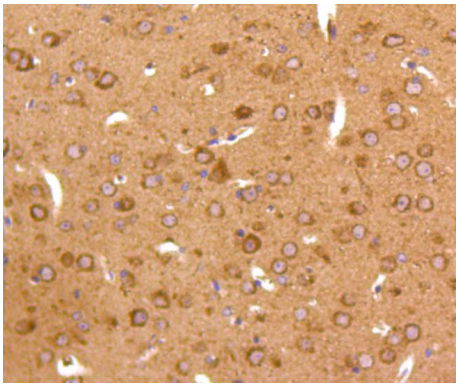
Application Details

WB: 1:1,000-5,000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

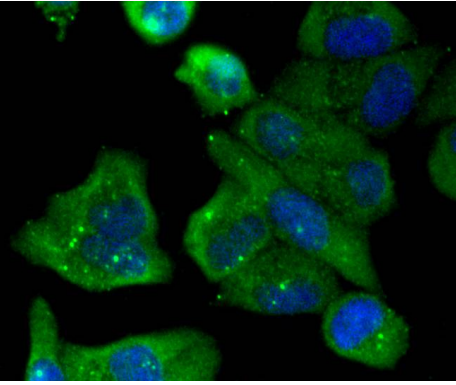
Images



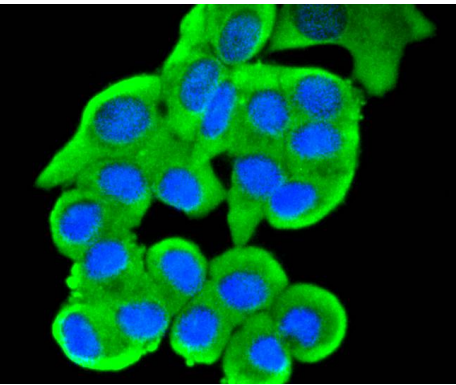
Western blot analysis of JNK2 on SHG-44 cell lysates using anti-JNK2 antibody at 1/1,000 dilution.



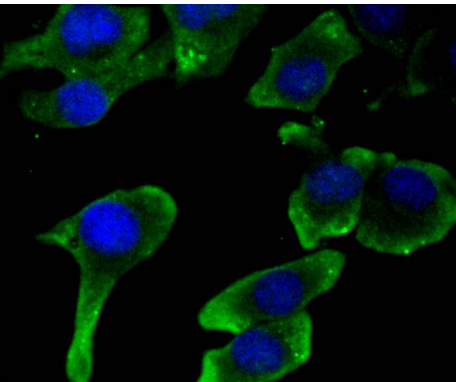
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-JNK2 antibody. Counter stained with hematoxylin.



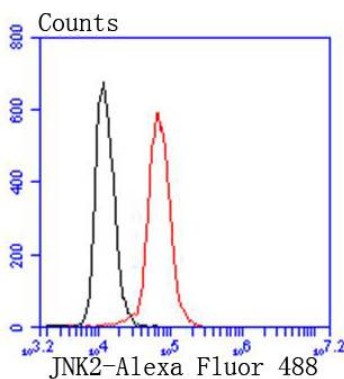
ICC staining JNK2 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining JNK2 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining JNK2 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with JNK2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

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 JNK1 α 1, JNK1 β 1, JNK2 α 1, JNK2 β 1, and JNK3 α 1, which represent the p46 isoforms, and JNK1 α 2, JNK1 β 2, JNK2 α 2, JNK2 β 2, and JNK3 β 2, 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

Note: This product is for in vitro research use only