Product Datasheet

JNK3 Rabbit mAb

Catalog No: #49181

Package Size: #49181-1 50ul #49181-2 100ul

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

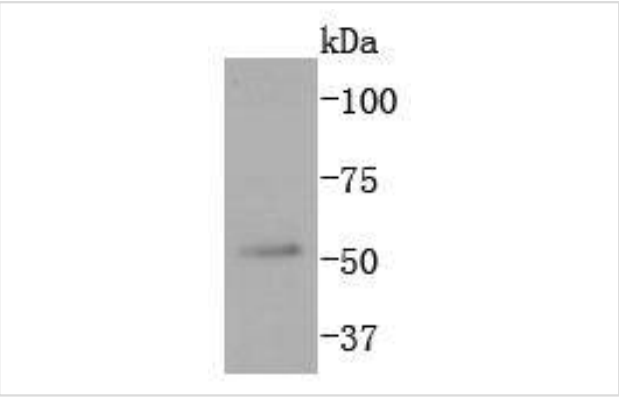
Description

Product Name	JNK3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD082-09
Purification	ProA affinity purified
Applications	WB, ICC/IF, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	c Jun kinase 3 antibody c-Jun N-terminal kinase 3 antibody cJun N terminal kinase 3 antibody FLJ12099 antibody FLJ33785 antibody JNK3 alpha protein kinase antibody JNK3 antibody JNK3A antibody MAP kinase 10 antibody MAP kinase antibody MAP kinase p49 3F12 antibody MAPK 10 antibody Mapk10 antibody MGC50974 antibody mitogen activated protein kinase 10 antibody Mitogen-activated protein kinase 10 antibody MK10_HUMAN antibody p493F12 antibody p54bSAPK antibody PRKM10 antibody protein kinase mitogen activated 10 antibody SAPK1b antibody Stress activated protein kinase 1b antibody stress activated protein kinase beta antibody Stress activated protein kinase JNK3 antibody Stress-activated protein kinase JNK3 antibody
Accession No.	Swiss-Prot#:P53779
Uniprot	P53779
GeneID	5602;
Calculated MW	53 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

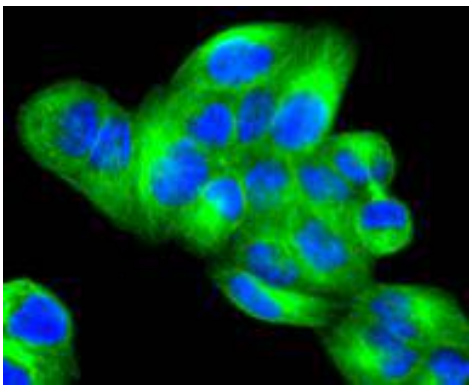
Application Details

WB: 1:500ICC: 1:100-1:500FC: 1:50-1:100

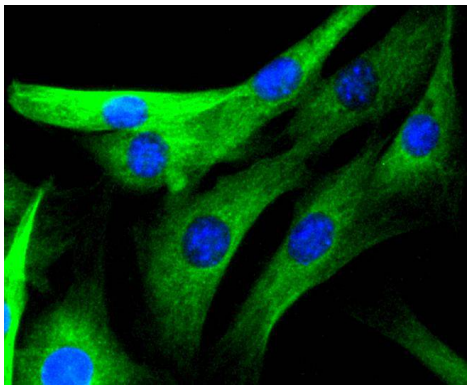
Images



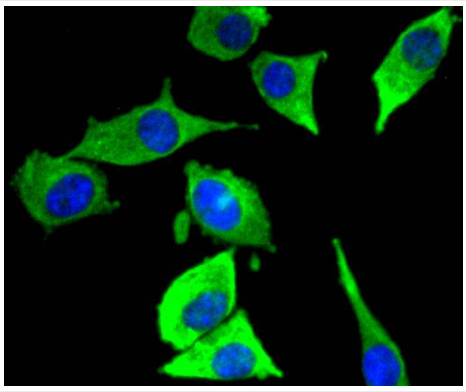
Western blot analysis of JNK3 on 293T cells lysates using anti-JNK3 antibody at 1/1,000 dilution.



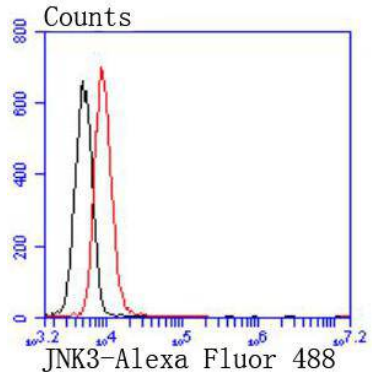
ICC staining JNK3 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining 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.



ICC staining JNK3 in SH-SY-5Y 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 Jurkat cells with JNK3 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 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. 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