

JNK1 Antibody

Catalog No: #48166



Package Size: #48166-1 50ul #48166-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

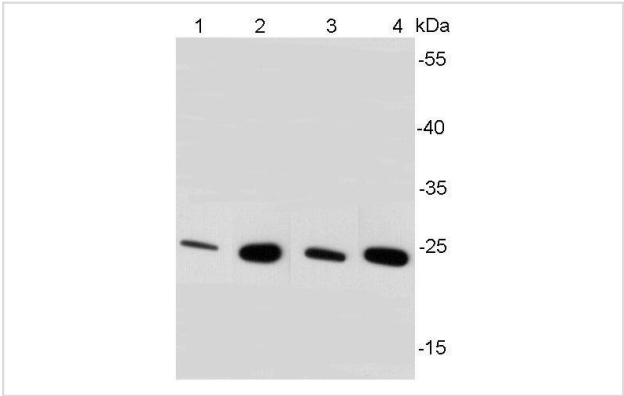
Description

Product Name	JNK1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Immunogen affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu,Ms,Rt, zebrafish
Immunogen Description	peptide
Other Names	AI849689 antibody c Jun N terminal kinase 1 antibody C-JUN kinase 1 antibody c-Jun N-terminal kinase 1 antibody EC 2.7.11.24 antibody JNK 1 antibody JNK antibody JNK-46 antibody JNK1A2 antibody JNK21B1/2 antibody MAP kinase 8 antibody MAPK 8 antibody mapk8 antibody Mitogen activated protein kinase 8 antibody Mitogen-activated protein kinase 8 antibody MK08_HUMAN antibody p54 gamma antibody Prkm8 antibody Protein kinase JNK1 antibody Protein kinase, mitogen-activated, 8 antibody SAPK 1 antibody SAPK gamma antibody SAPK1 antibody Stress-activated protein kinase 1 antibody Stress-activated protein kinase JNK1 antibody
Accession No.	Swiss-Prot#:P45983
Calculated MW	~48/54kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

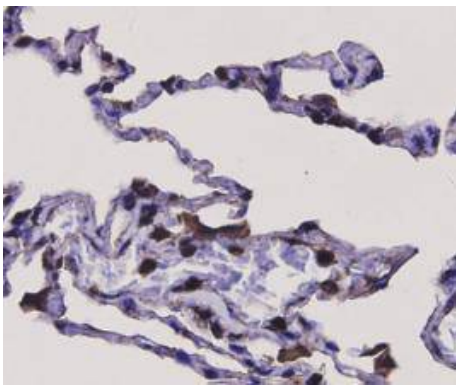
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

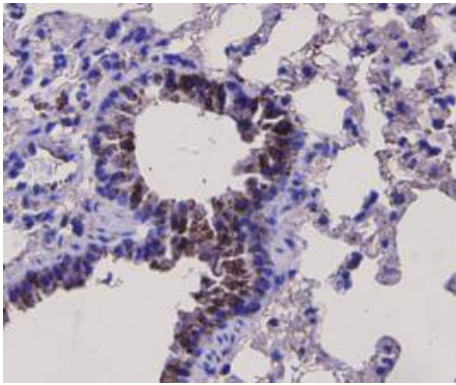
Images



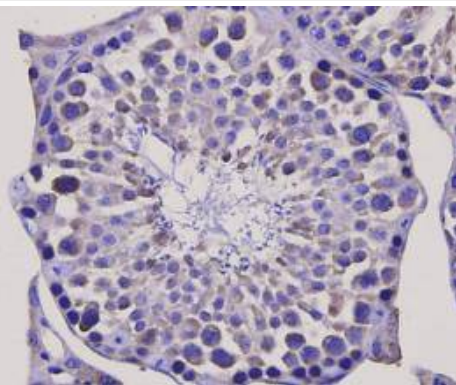
Western blot analysis of JNK1 on different cell lysates using anti-JNK1 antibody at 1/1,000 dilution. Positive control:  
Lane 1: K562      Lane 2: PC-12      Lane 3: Hela



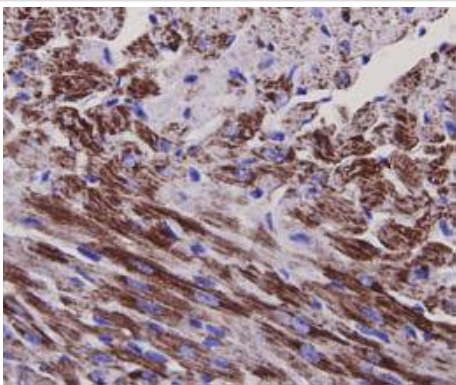
Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-BDNF antibody. Counter stained with hematoxylin.



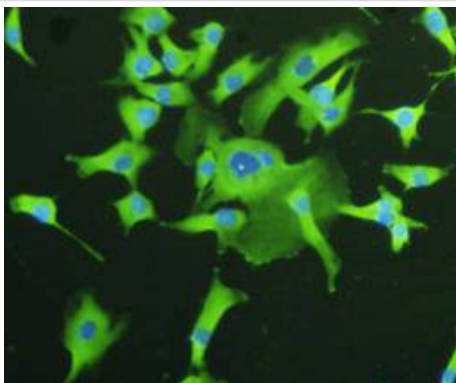
Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-BDNF antibody. Counter stained with hematoxylin.



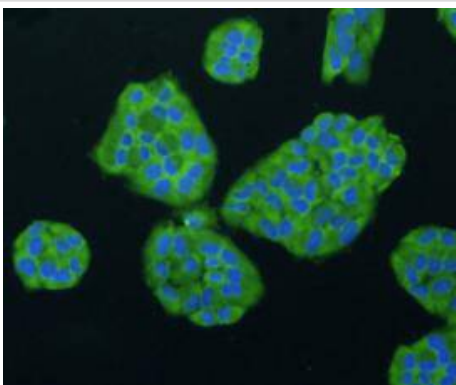
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-BDNF antibody. Counter stained with hematoxylin.



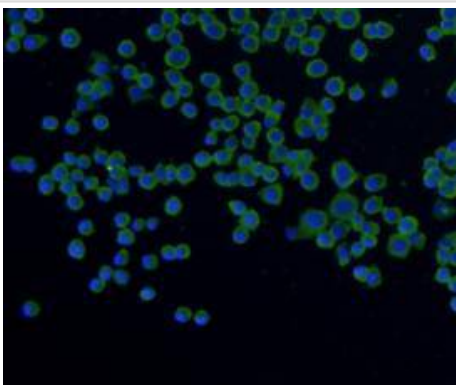
Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-BDNF antibody. Counter stained with hematoxylin.



ICC staining of BDNF in A172 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining of BDNF 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 of BDNF in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

Serine/threonine-protein kinase involved in various processes such as cell proliferation, differentiation, migration, transformation 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 MAPK8/JNK1. In turn, MAPK8/JNK1 phosphorylates a number of transcription factors, primarily components of AP-1 such as JUN, JDP2 and ATF2 and thus regulates AP-1 transcriptional activity.

## References

- 1."JNK1-mediated phosphorylation of Bcl-2 regulates starvation-induced autophagy." Wei Y., Pattingre S., Sinha S., Bassik M., Levine B. Mol. Cell 30:678-688(2008)
- 2."JNK phosphorylates Yes-associated protein (YAP) to regulate apoptosis." Tomlinson V., Gudmundsdottir K., Luong P., Leung K.Y., Knebel A., Basu S. Cell Death Dis. 1:E29-E29(2010)

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