c-Jun(Phospho-T91) Rabbit mAb

Catalog No: #13420

Package Size: #13420-1 50ul #13420-2 100ul

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

Description

Product Name	c-Jun(Phospho-T91) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JJ080-9
Purification	ProA affinity purified
Applications	WB;ICC/IF;IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Thr91 of human c-Jun.
Conjugates	Unconjugated
Other Names	Activator protein 1 antibody AP 1 antibody AP1 antibody cJun antibody Enhancer Binding Protein AP1 antibody Jun Activation Domain Binding Protein antibody JUN antibody Jun oncogene antibody JUN protein antibody Jun proto oncogene antibody JUN_HUMAN antibody JUNC antibody Oncogene JUN antibody p39 antibody Proto oncogene c jun antibody Proto oncogene cJun antibody Proto-oncogene c-jun antibody Transcription Factor AP 1 antibody Transcription factor AP-1 antibody Transcription Factor AP1 antibody V jun avian sarcoma virus 17 oncogene homolog antibody V jun sarcoma virus 17 oncogene homolog (avian) antibody V jun sarcoma virus 17 oncogene homolog antibody V-jun avian sarcoma virus 17 oncogene homolog antibody vJun Avian Sarcoma Virus 17 Oncogene Homolog antibody
Accession No.	Swiss-Prot#:P05412
Calculated MW	36 kDa
SDS-PAGE MW	40 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

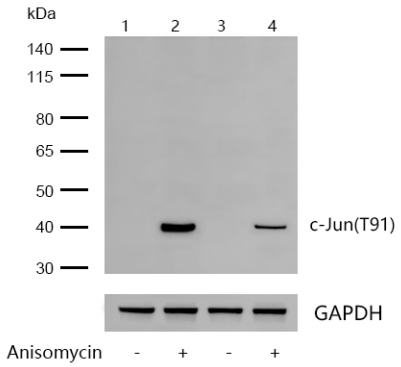
Application Details

WB: 1:500-1:2000

ICC/IF: 1:50-1:200

IHC: 1:50-1:200

Images



All lanes : c-Jun(Phospho-T91) Rabbit mAb at 1/500 dilution

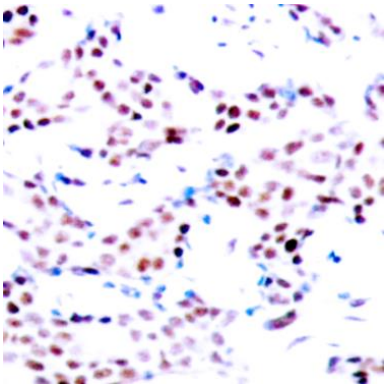
Lane 1 : NIH/3T3 whole cell lysates
Lane 2 : NIH/3T3 treated with 250nM Anisomycin for 30 minutes whole cell lysates
Lane 3 : A549 whole cell lysates
Lane 4 : A549 treated with 250nM Anisomycin for 30 minutes whole cell lysates

Lysates/proteins at 20 µg per lane.

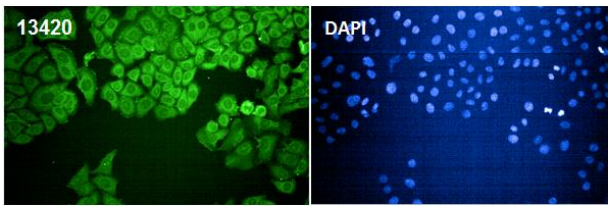
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 36 kDa
Observed band size: 40 kDa

Exposure time: 15 seconds



Formalin-fixed;paraffin-embedded human breast carcinoma tissue stained for c-Jun (Phospho-T91) using 13420 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence cJun (Phospho-T91) antibody (13420)
ICC/IF staining of cJun(Phospho-T91) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
Samples were incubated with 13420 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit;used at a dilution of 1/500.
Nuclei were counterstained with DAPI.

Background

Genes belonging to the Jun and Fos oncogene families encode nuclear proteins that are associated with a number of transcriptional complexes. The c-Jun protein is a major component of the transcription factor AP-1, originally shown to mediate phorbol ester tumor promoter (TPA)-induced expression of responsive genes through the TPA-response element (TRE). The Jun proteins form homo- and heterodimers which bind the TRE, while Fos proteins are active only as heterodimers with any of the Jun proteins. Fos/Jun heterodimers have a much higher affinity for the TRE than Jun homodimers. Ha-Ras augments c-Jun activity and stimulates phosphorylation of its activation domain. An inhibitor of Fos/Jun function, termed IP-1, associates with Fos and Jun and is inactivated upon phosphorylation induced by the cAMP-dependent protein kinase A (PKA).

References

1. Zhang QS et al. Downregulation of SENP1 inhibits cell proliferation, migration and promotes apoptosis in human glioma cells. Oncol Lett 12:217-221 (2016).
2. Li C et al. Inhibitory effects of kaempferol on the invasion of human breast carcinoma cells by downregulating the expression and activity of matrix metalloproteinase-9. Biochem Cell Biol 93:16-27 (2015).

Published Papers

Yoshimitsu Masato, Kiyota Kyohei el at., Development of a Mass Spectrometry-Based Quantitative Method for Two Isoallergens of Celery Allergen Api g 1 in Fresh and Processed Celery, Journal of agricultural and food chemistry, (2025)

PMID:40794457

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