

c-Jun(Phospho-S63) Rabbit mAb

Catalog No: #13361



Package Size: #13361-1 50ul #13361-2 100ul

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Description

Product Name	c-Jun(Phospho-S63) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SY0297
Purification	ProA affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser63 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	40 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

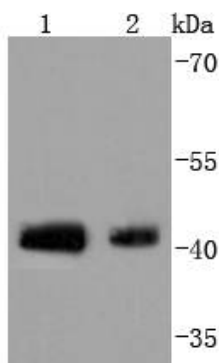
Application Details

WB: 1:1,000-1:2,000

IHC: 1:50-1:100

ICC: 1:50-1:200

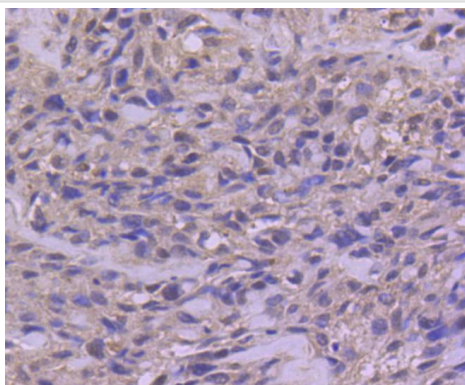
Images



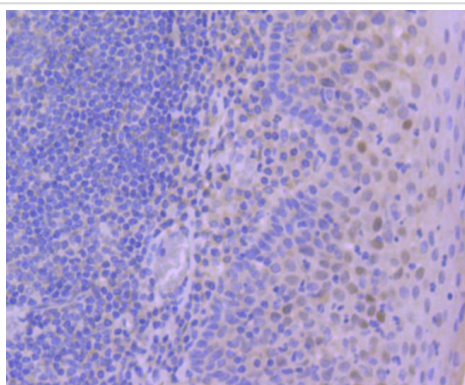
Western blot analysis of Phospho-c-Jun(S63) on different lysates using anti-Phospho-c-Jun(S63) antibody at 1/1,000 dilution. Positive control:

Lane 1: NIH/3T3

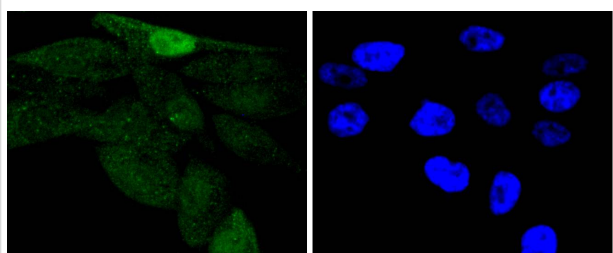
Lane 2: 293T



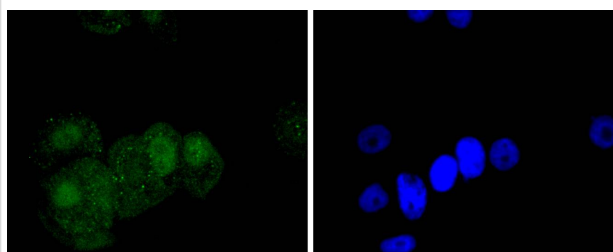
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Phospho-c-Jun(S63) antibody. Counter stained with hematoxylin.



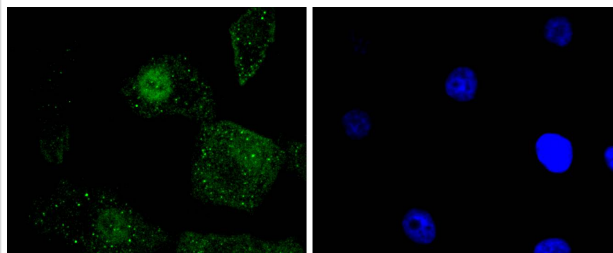
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Phospho-c-Jun(S63) antibody. Counter stained with hematoxylin.



ICC staining Phospho-c-Jun(S63) in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Phospho-c-Jun(S63) 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 Phospho-c-Jun(S63) in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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

el at., Upregulation of SNTB1 Correlates with Poor Prognosis and Promotes Cell Growth in Colorectal Cancer. In *Cancer Cell Int* on 2021 Oct 18 by Liya Liu, Youqin Chen, et al.. PMID: 34663329, , (2021)

[PMID:34663329](#)

Chao Zhu;Junru Zhu;Quyu Duan;Yue Jiang;Hao Yin;Yonglong He;Fu Li;XiaoPeng An et al., Exploration of the lactation function of protein phosphorylation sites in goat mammary tissues by phosphoproteome analysis, , (2021)

[PMID:34583635](#)

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