c-Jun(Phospho-S63) Rabbit mAb

Catalog No: #13361

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

Signalway Antibody
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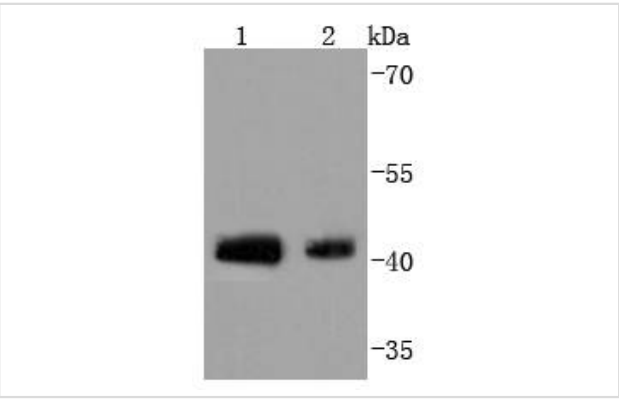
Description

Product Name	c-Jun(Phospho-S63) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SY0297
Purification	ProA affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu, Ms, Rt
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

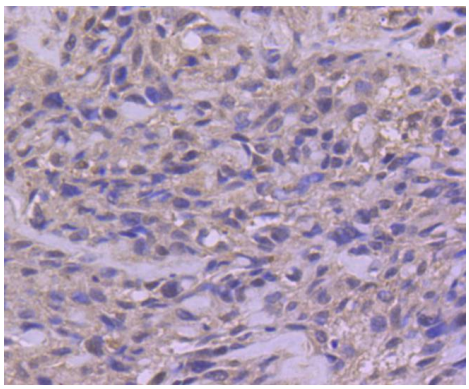
Application Details

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

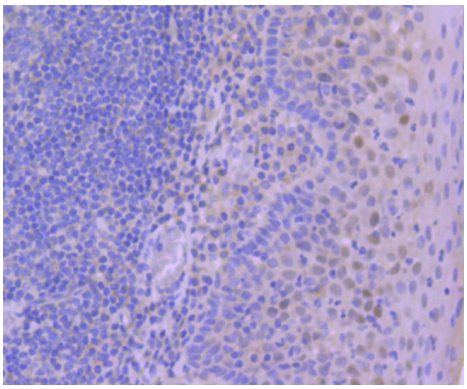
Images



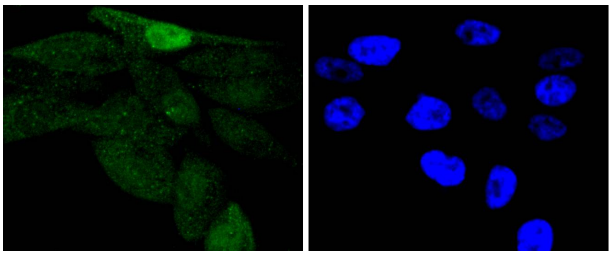
Western blot analysis of Phospho-c-Jun(S63) on different lysates using anti-Phospho-c-Jun(S63) antibody at 1/1,000 dilution. Positive control:
Lane 1: NIH/3T3
Lane 2: 293T



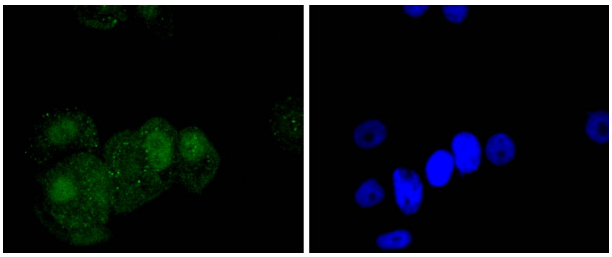
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-Phospho-c-Jun(S63) antibody. Counter stained with hematoxylin.



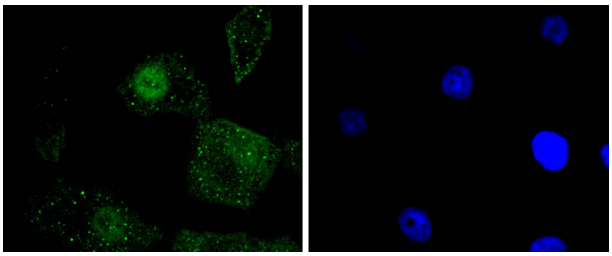
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Phospho-c-Jun(S63) antibody. Counter stained with hematoxylin.



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

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 el at., 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.