

c Jun (Phospho-Ser63) Rabbit mAb

Catalog No: #52101

Package Size: #52101-1 50ul #52101-2 100ul

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Description

Product Name	c Jun (Phospho-Ser63) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	S07-3G7
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic phosphopeptide corresponding to residues surrounding Ser63 of human c-Jun
Conjugates	Unconjugated
Modification	Phosphorylated
Other Names	AH119; AP1; Activator protein 1; Jun A; c-Jun;
Accession No.	Swiss-Prot:P05412GenelD:3725
Calculated MW	Predicted band size: 36 kDa
SDS-PAGE MW	Observed band size: 48 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

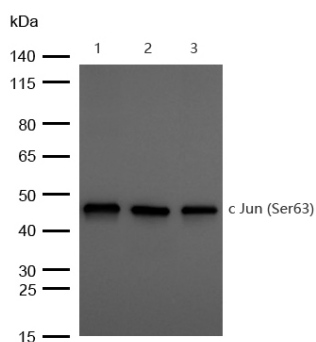
Application Details

WB: 1:500-1:2000

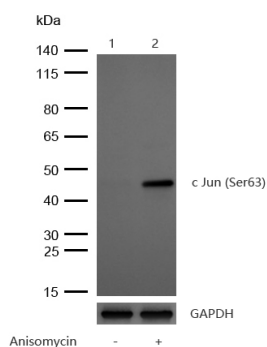
ICC/IF: 1:50-1:200

IHC: 1:50-1:200

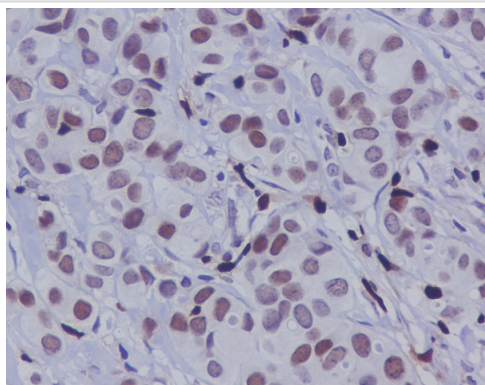
Images



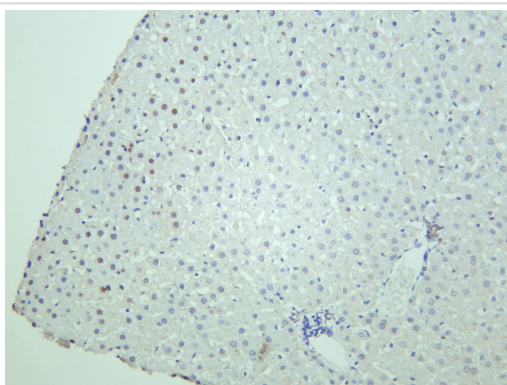
All lanes : c Jun (Phospho-Ser63) Rabbit mAb at 1/1k dilution
 Lane 1 : 3T3 whole cell lysates
 Lane 2 : C6 whole cell lysates
 Lane 3 : K562 whole cell lysates
 Lysates/proteins at 20 µg per lane.
 Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
 Predicted band size: 36 kDa
 Observed band size: 48 kDa
 Exposure time: 3 seconds



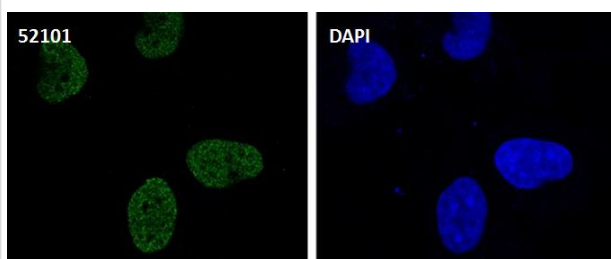
All lanes : c Jun (Phospho-Ser63) Rabbit mAb at 1/1k dilution
 Lane 1 : 3T3 whole cell lysates
 Lane 2 : 3T3 treated with 5µg/ml Anisomycin for 30 minutes whole cell lysates
 Lysates/proteins at 20 µg per lane.
 Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
 Predicted band size: 36 kDa Observed band size: 48kDa
 Exposure time: 5 seconds



Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for c Jun (Phospho-Ser63) using 52101 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded rat liver carcinoma tissue stained for c Jun (Phospho-Ser63) using 52101 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence c Jun (Phospho-Ser63) antibody (52101)
 ICC/IF staining of c Jun (Phospho-Ser63) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
 Samples were incubated with 52101 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

Swiss-Prot Acc.P05412. Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed:10995748, PubMed:22083952).

Heterodimerizes with proteins of the FOS family to form an AP-1 transcription complex, thereby enhancing its DNA binding activity to the AP-1 consensus sequence 5'-TGA[GC]TCA-3' and enhancing its transcriptional activity (By similarity).

Together with FOSB, plays a role in activation-induced cell death of T cells by binding to the AP-1 promoter site of FASLG/CD95L, and inducing its

transcription in response to activation of the TCR/CD3 signaling pathway (PubMed:12618758).

Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed:17210646).

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