Anti-Phospho-c-Jun (Ser63) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R010385

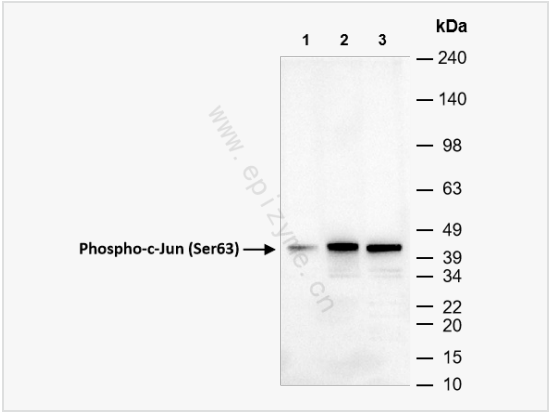
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	43L31K57
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser63 of human c-Jun
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-c-Jun (Ser63) Rabbit mAb [43L31K57] is for research use only and not for use in diagnostic or therapeutic procedures.

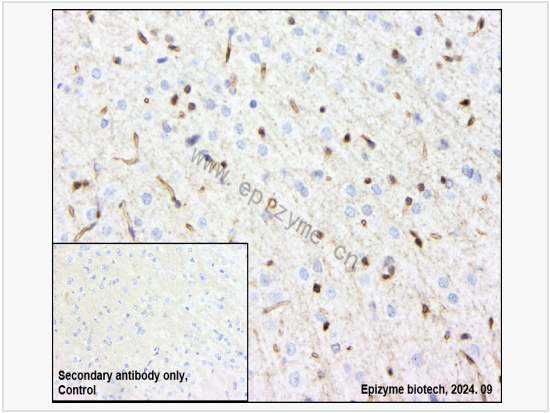
Protein Information

Synonyms	Activator protein 1, AP 1, AP-1, AP1, cJun, Enhancer Binding Protein AP1, Jun Activation Domain Binding Protein, JUN, Jun oncogene, JUN protein, Jun proto oncogene, JUN_HUMAN, JUNC, Oncogene JUN, p39, Proto oncogene c jun, Proto oncogene cJun, Proto-oncogene c-jun, Transcription Factor AP 1, Transcription factor AP-1, Transcription Factor AP1, V jun avian sarcoma virus 17 oncogene homolog, V jun sarcoma virus 17 oncogene homolog (avian), V jun sarcoma virus 17 oncogene homolog, V-jun avian sarcoma virus 17 oncogene homolog, vJun Avian Sarcoma Virus 17 Oncogene Homolog.
Calculated MW	Calculated MW: 36 kDa; Observed MW: 43 kDa
Uniprot ID	P05412
Gene ID	3725
Background	This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies. [provided by RefSeq, Jul 2008]
Cellular Location	Nucleus.

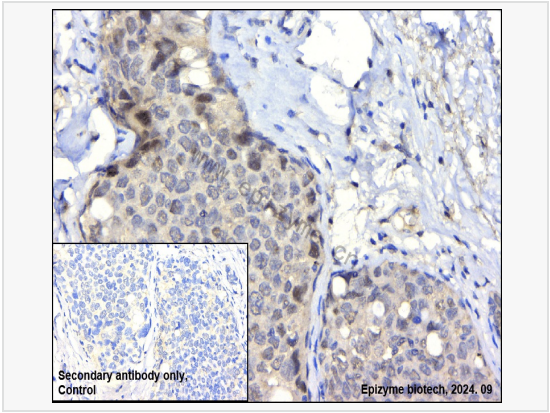
Validation Images



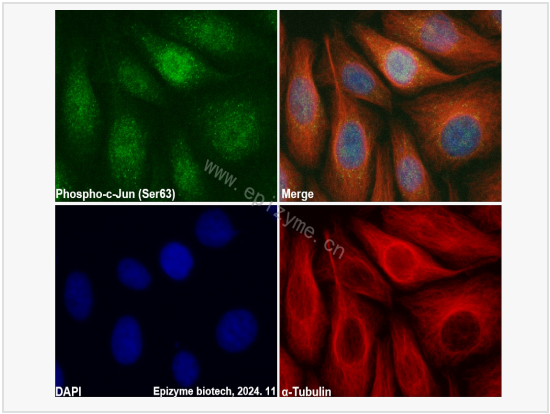
Western Blot - Anti-Phospho-c-Jun (Ser63) Rabbit mAb [43L31K57]
All lanes: R010385 at 1:1,000 dilution
Lane 1: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 2: U2OS (Human osteosarcoma epithelial cell) whole cell lysates
Lane 3: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 36 kDa
Observed band size: 43 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-c-Jun (Ser63) Rabbit mAb [43L31K57]
Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R010385 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Phospho-c-Jun (Ser63) Rabbit mAb [43L31K57]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R010385 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Phospho-c-Jun (Ser63) Rabbit mAb [43L31K57]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R010385 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).