A0246SP

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c-Jun Rabbit pAb

Catalog No.: A0246SP 22 Publications

Basic Information

Observed MW
43 kDa

Calculated MW
36 kDa

Category
Polyclonal Antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Human,Mouse,Rat

Background

Enables chromatin binding activity and transcription cis-regulatory region binding activity. Involved in cellular response to anisomycin and positive regulation of transcription by RNA polymerase II. Acts upstream of or within several processes, including circulatory system development; eyelid development in camera-type eye; and positive regulation of cell population proliferation. Located in nucleus. Part of transcription factor AP-1 complex and transcription repressor complex. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; long bone; and sensory organ. Used to study psoriasis and pulmonary emphysema. Human ortholog(s) of this gene implicated in pulmonary tuberculosis. Orthologous to human JUN (Jun proto-oncogene, AP-1 transcription factor subunit).

Recommended Dilutions

WB	1:3000 - 1:20000
IF/ICC	1:100 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)

Contact

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Immunogen Information

Gene ID
16476

Swiss Prot
P05627

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
AP-1; Junc; c-jun

Product Information

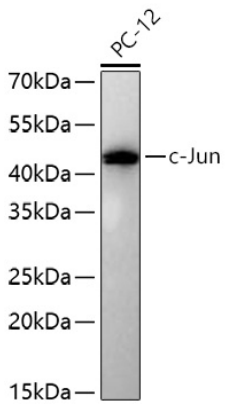
Source
Rabbit

Isotype
IgG

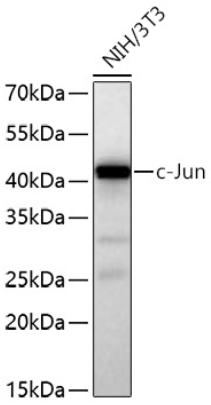
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

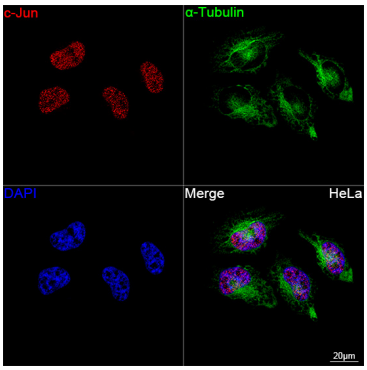
Validation Data



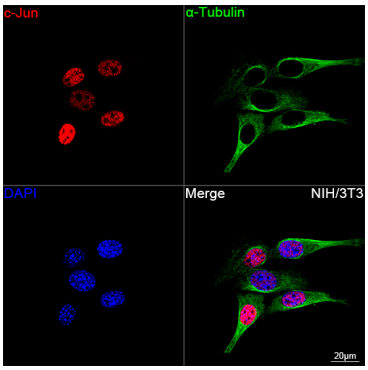
Western blot analysis of lysates from PC-12 cells using c-Jun Rabbit pAb (A0246SP) at 1:20000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.



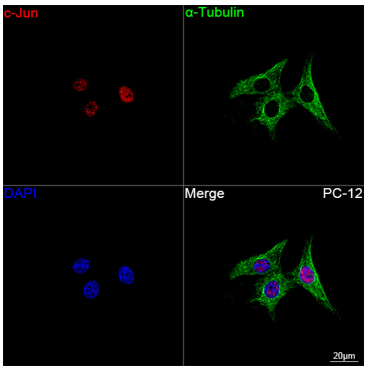
Western blot analysis of lysates from NIH/3T3 cells using c-Jun Rabbit pAb (A0246SP) at 1:20000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



Confocal imaging of HeLa cells using c-Jun Rabbit pAb (A0246SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells using c-Jun Rabbit pAb (A0246SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of PC-12 cells using c-Jun Rabbit pAb (A0246SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.