

Basic Information

Product Name	Anti-c-Jun/JUN Antibody	
Gene Name	JUN	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, IHC, ICC/IF, FCM, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human c-Jun/JUN recombinant protein (Position: K35-F331).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	36-48 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400
	Flow Cytometry (Fixed):	1:50-200
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000
	(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

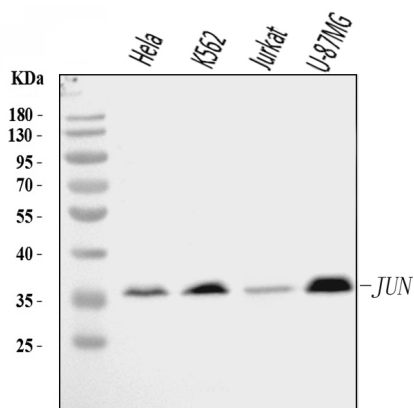
Background Information

c-Jun is a protein that in humans is encoded by the JUN gene. 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.

Reference

Anti-c-Jun/JUN Antibody被引用在5文献中。

Selected Validation Data



Western blot analysis of c-Jun/JUN using anti-c-Jun/JUN antibody (A02038-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: HELA whole cell lysates,

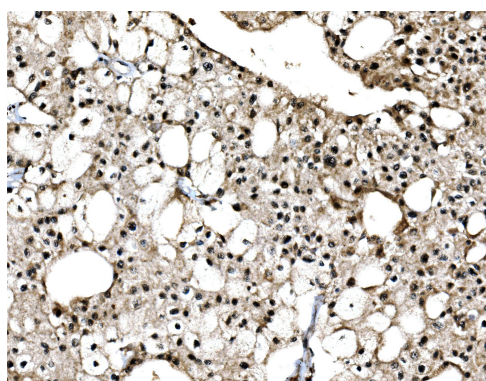
Lane 2: K562 whole cell lysates,

Lane 3: Jurkat whole cell lysates,

Lane 4: U-87MG whole cell lysates.

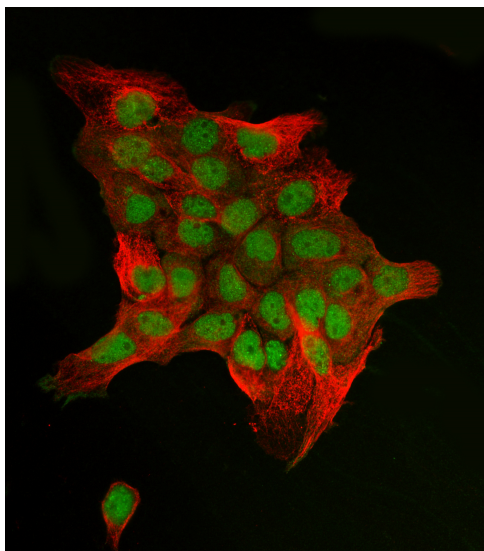
After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-c-Jun/JUN antigen affinity purified polyclonal antibody (A02038-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for c-Jun/JUN at approximately 36-48 kDa. The expected band size for c-Jun/JUN is at 36 kDa.



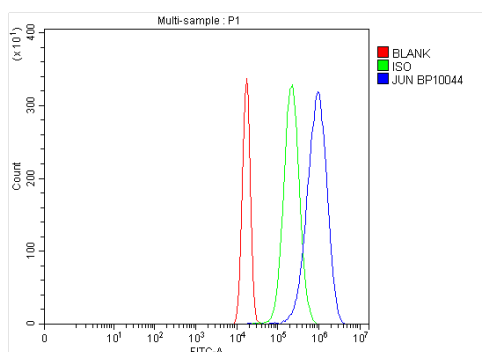
IHC analysis of c-Jun/JUN using anti-c-Jun/JUN antibody (A02038-3).

c-Jun/JUN was detected in a paraffin-embedded section of human renal cell carcinoma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-c-Jun/JUN Antibody (A02038-3) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



ICC/IF analysis of c-Jun/JUN using anti-c-Jun/JUN antibody (A02038-3) and anti-Beta Tubulin antibody (M01857-3).

c-Jun/JUN was detected in an immunocytochemical section of A431 cells. The section was incubated with rabbit anti-c-Jun/JUN Antibody (A02038-3) at a dilution of 1:100. Fluoro488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) and Fluoro594-conjugated Anti-mouse IgG Secondary Antibody (red)(Catalog#BA1141) were used as secondary antibody.



Flow Cytometry analysis of U2OS cells using anti-c-Jun/JUN antibody (A02038-3).

Overlay histogram showing U2OS cells stained with A02038-3 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-c-Jun/JUN Antibody (A02038-3) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.