

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	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human c-Jun/JUN, which shares 93.3% amino acid (aa) sequence identity with both mouse and rat c-Jun/JUN.	
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
	(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. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

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.

Selected Validation Data

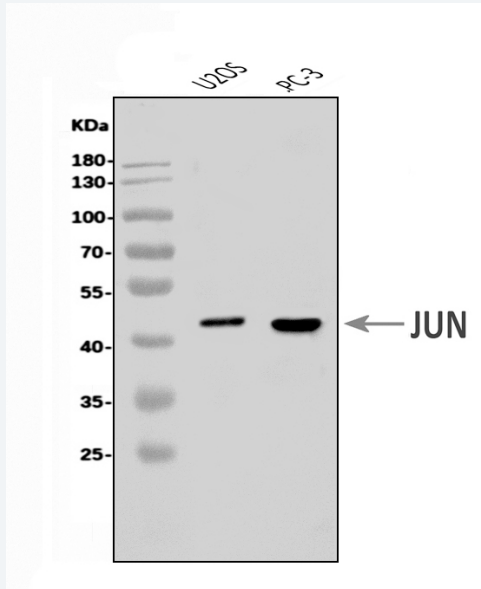


Figure 1. Western blot analysis of anti- JUN Antibody (A02038-2). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: U2OS whole cell lysates,

Lane 2: PC-3 whole cell lysates.

Use rabbit anti- JUN 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for JUN at approximately 43KDa. The expected band size for JUN is at 36KDa.

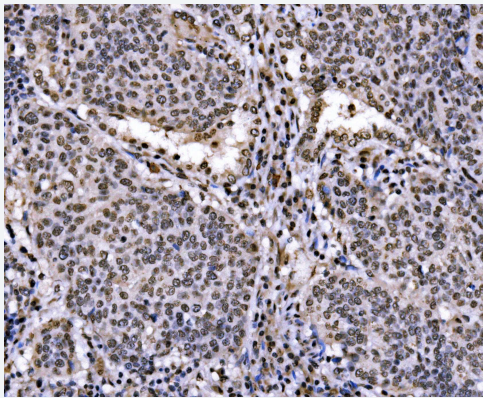


Figure 2. IHC analysis using anti- JUN Antibody (A02038-2). detected in paraffin-embedded section of human lung cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

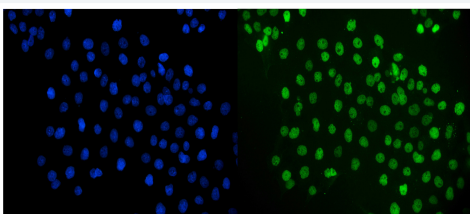


Figure 8. ICC analysis using anti- JUN Antibody (A02038-2). was detected in immersion fixed A431 cell line. Cells were stained using the Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog # BA1127) and counterstained with DAPI (blue).