

Mouse Anti-C-jun antibody

SLM-42050M

Product Name C-jun

Chinese Name 原癌基因蛋白/活化蛋白 1 单克隆抗体

Alias Transcription factor AP-1; Jun oncogene; JUN; AP 1; AP1; AP-1; Enhancer Binding Protein AP1; Jun Activation Domain Binding Protein; JUN protein; JUNC; p39; Proto oncogene cJun; Transcription Factor AP1; V jun avian sarcoma virus 17 oncogene homolog; vJun Avian Sarcoma Virus 17 Oncogene Homolog; JUN_HUMAN; Activator 1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog.

Research Area Tumour Cell biology Signal transduction transcriptional regulatory factor Kinases and Phosphatases

Immunogen Species Mouse

Clonality Monoclonal

React Species Human

Applications WB=1:500-2000,ICC/IF=1:100-500
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 36kDa

Detection molecular weight 43/36 kDa

Cellular localization The nucleus

Form Liquid

Concentration 1mg/ml

immunogen Recombinant human C-jun protein : 200-319/331

Lsotype IgG

Purification affinity purified by Protein A

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

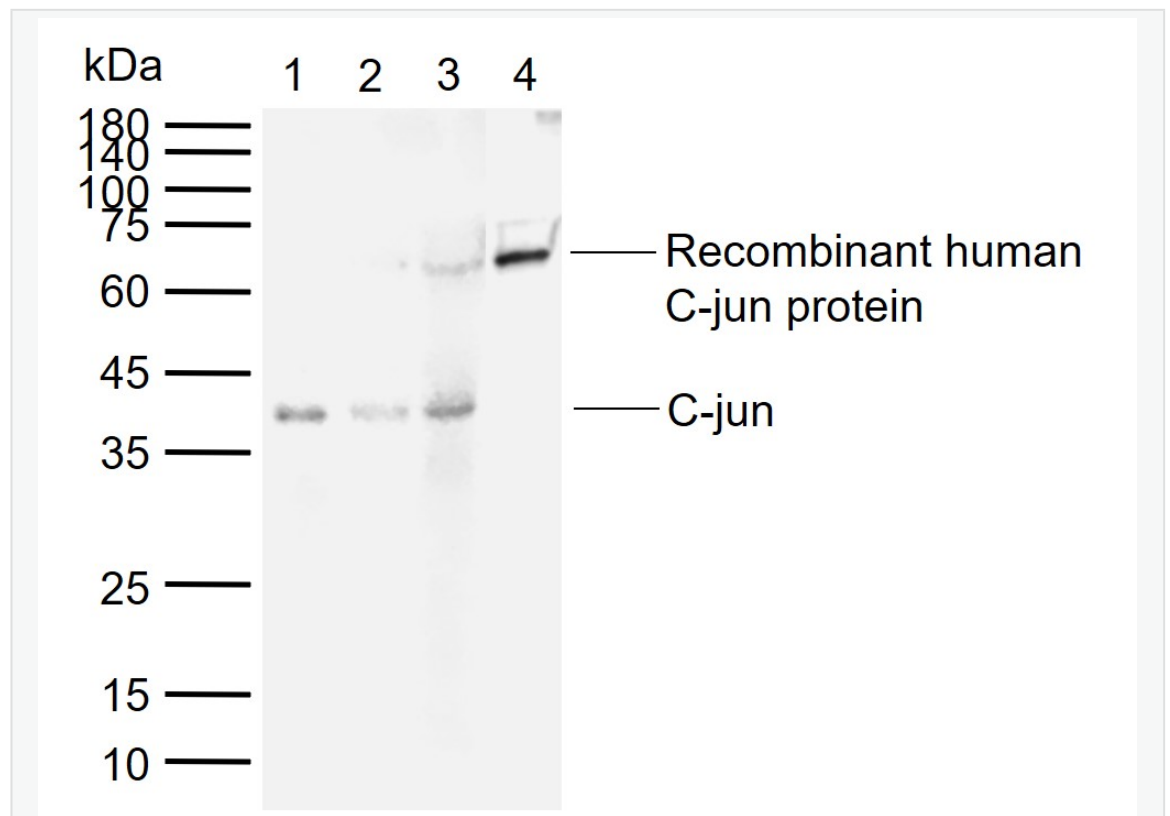
**Product
Detail**

The human protooncogene JUN is the putative transforming gene of avian sarcoma virus 17, and it encodes a protein which is highly homologous to the viral protein. cJun (previously known as the Fos binding protein p39) and c Fos form a complex in the nucleus. AP 1 (activating protein 1) is a collective term referring to these dimeric transcription factors composed of Jun, Fos or ATF subunits that bind to a common DNA site, the AP1 binding site. AP 1 proteins, mostly the Jun group, regulate the expression and function of cell cycle regulators such as Cyclin D1, p53, p21 (cip1/waf1), p19 (ARF) and p16. Fos and Jun proto oncogene expression is induced transiently by a variety of extracellular stimuli associated with mitogenesis, differentiation processes or depolarization of neurons. JUN has been mapped to 1p32 to p31, a chromosomal region involved in both translocations and deletions in human malignancies.

SWISS:
P05412

Gene ID:
3725

**Product
Picture**



Sample:

Lane 1: Human U87MG cell lysates

Lane 2: Human U251 cell lysates

Lane 3: Human A431 cell lysates

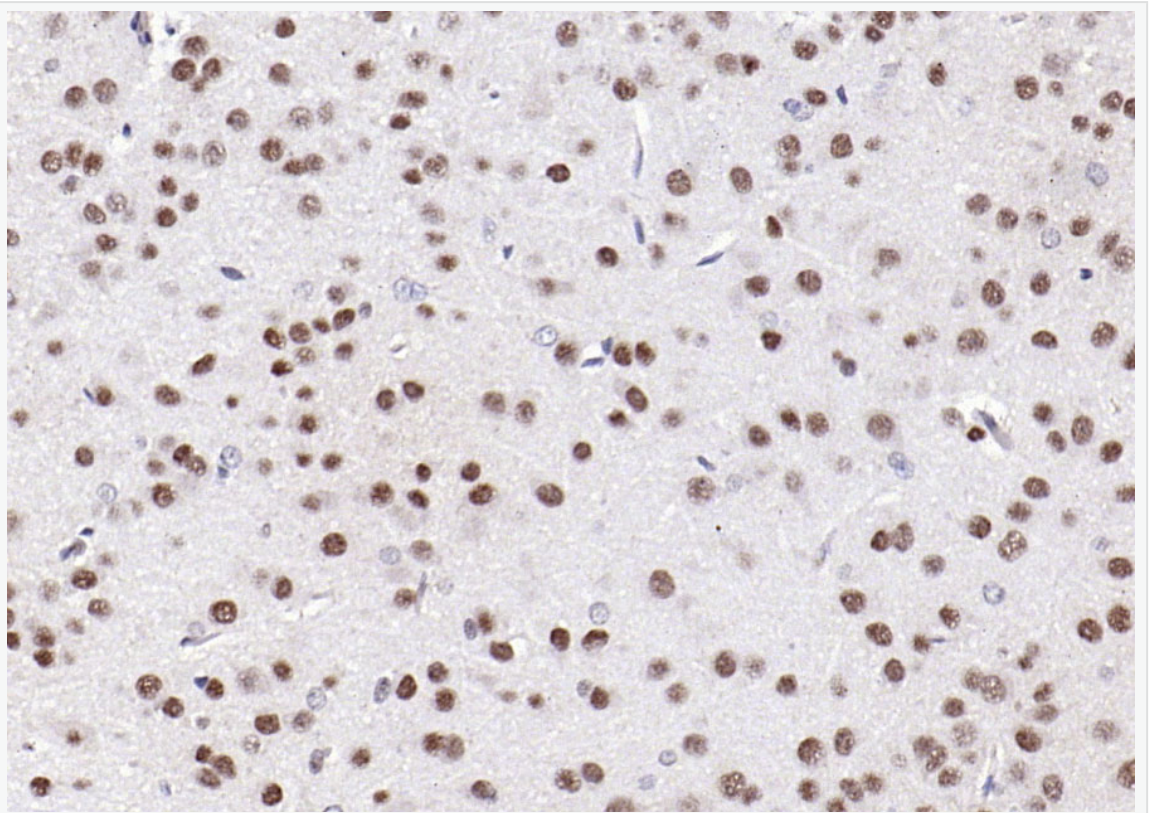
Lane 4: Recombinant human C-jun protein(50ng)

Primary: Anti-C-jun (SLM-42050M) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

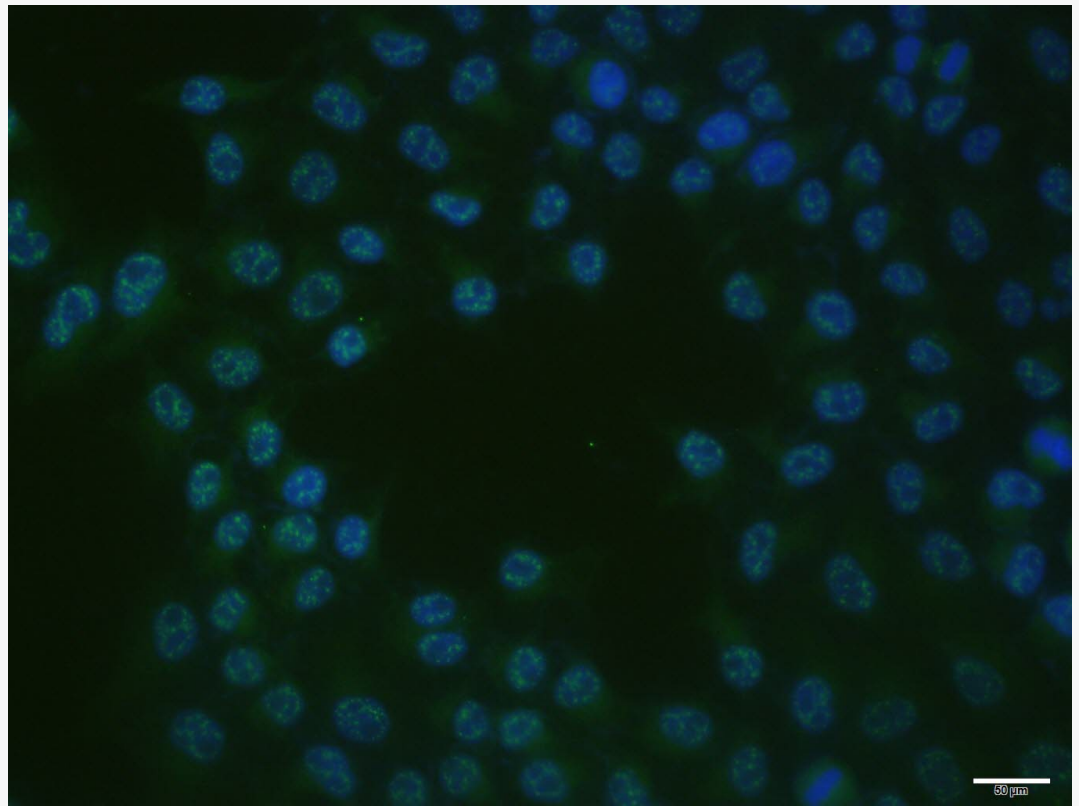
Predicted band size: 36 kDa

Observed band size: 40,70 kDa



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3%

hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (C-jun) Monoclonal Antibody, Unconjugated (SLM-42050M) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (C-jun) monoclonal Antibody, Unconjugated (SLM-42050M) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



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