

For Research Use Only

# JUNB Polyclonal antibody

Catalog Number: 10486-1-AP **2 Publications**



## Basic Information

**Catalog Number:**

10486-1-AP

**Size:**

150ul, Concentration: 1000 µg/ml by Nanodrop and 387 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0752

**GenBank Accession Number:**

BC004250

**GeneID (NCBI):**

3726

**Full Name:**

jun B proto-oncogene

**Calculated MW:**

36 kDa

**Observed MW:**

42 kDa, 43 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

IF 1:10-1:100

## Applications

**Tested Applications:**

IF, IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB: MCF7 cells, C6 cells, HeLa cells, HT-1080 cells

IP: HeLa cells,

IHC: human gliomas tissue, human ovary tissue, human testis tissue

IF: MCF-7 cells, HeLa cells

## Background Information

JunB is one of the components of the Activator Protein-1 (AP-1) transcription complex that have been implicated in the control of the G0/G1 transition in fibroblasts. AP-1 is a collection of dimers formed by members of the Jun-, Fos-, ATF- and Maf multigene families that bind to specific DNA regulatory elements called AP-1/12-O-tetradecanoylphorbol-13-acetate-responsive elements (TREs) and cAMP-responsive elements (CREs). JunB binds to the DNA sequence 5'-TGA[CG]TCA-3', and involves in the regulation of gene activity following the primary growth factor response. It also acts either as a tumor suppressor or as an oncogene depending on the cell and physiopathological context

## Notable Publications

Author	Pubmed ID	Journal	Application
Siyuan Chen	30224386	J Exp Med	WB
Wen-Si Zhao	31285951	Am J Cancer Res	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

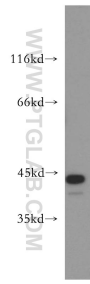
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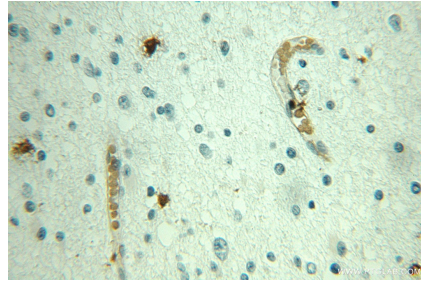
E: proteintech@ptglab.com  
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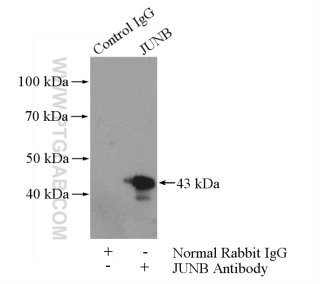
## Selected Validation Data



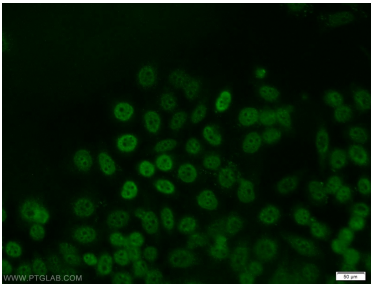
MCF7 cells were subjected to SDS PAGE followed by western blot with 10486-1-AP (JUNB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 10486-1-AP (JUNB antibody) at dilution of 1:50 (under 25x lens).



IP Result of anti-JUNB (IP:10486-1-AP, 4ug; Detection:10486-1-AP 1:500) with HeLa cells lysate 1200ug.



Immunofluorescent analysis of MCF-7 cells using 10486-1-AP (JUNB antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).