

For Research Use Only

# JUNB Polyclonal antibody

Catalog Number: 10486-1-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

10486-1-AP

### Concentration:

1000 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0752

### GenBank Accession Number:

BC004250

### GeneID (NCBI):

3726

### UNIPROT ID:

P17275

### Full Name:

jun B proto-oncogene

### Calculated MW:

36 kDa

### Observed MW:

42 kDa, 43 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

IF/ICC 1:400-1:1600

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**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** : HT-1080 cells, HeLa cells, MCF-7 cells, MDA-MB-231 cells

**IP** : HeLa cells,

**IHC** : human lymphoma tissue, human breast cancer tissue, human ovary tissue, human testis tissue

**IF/ICC** : A431 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
Bing Wang	35253437	J Proteome Res	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

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

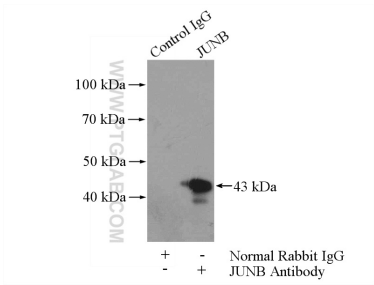
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

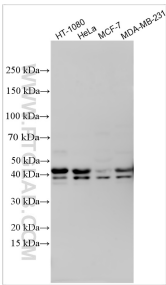
W: [ptgcn.com](http://ptgcn.com)

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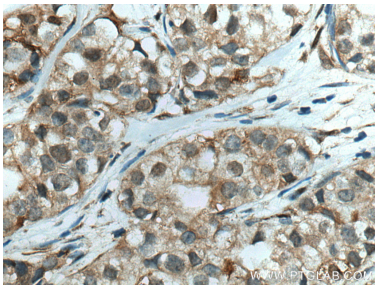
Selected Validation Data



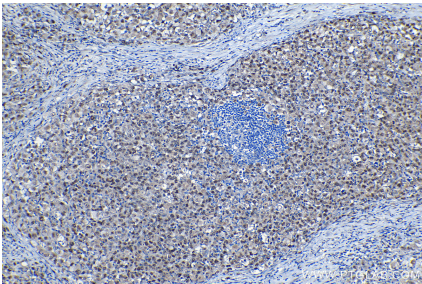
IP result of anti-JUNB (IP:10486-1-AP, 4ug; Detection:10486-1-AP 1:500) with HeLa cells lysate 1200ug.



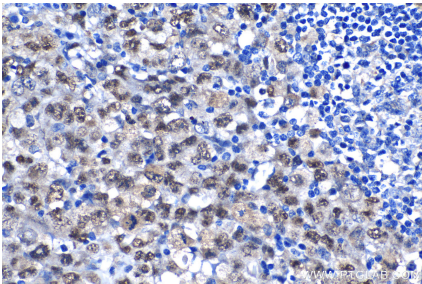
Various lysates were subjected to SDS PAGE followed by western blot with 10486-1-AP (JUNB antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



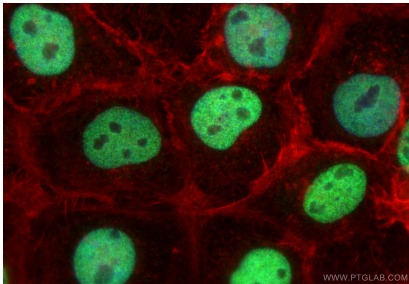
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10486-1-AP (JUNB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 10486-1-AP (JUNB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 10486-1-AP (JUNB antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using JUNB antibody (10486-1-AP) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).