For Research Use Only

JUNB Polyclonal antibody

Catalog Number:10486-1-AP Featured Product 10 Publications

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Basic Information

Catalog Number:
10486-1-AP

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

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 ofthe G0/G1 transtion 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

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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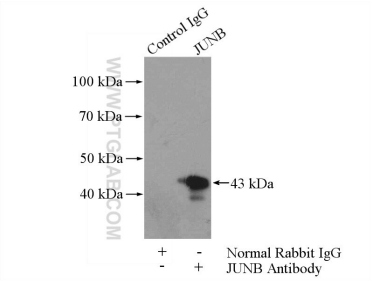
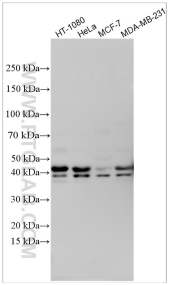
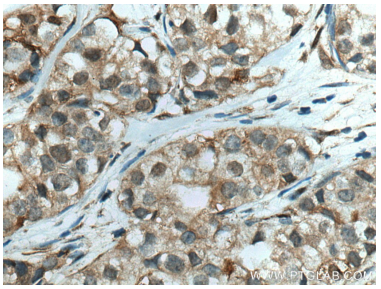
Selected Validation Data



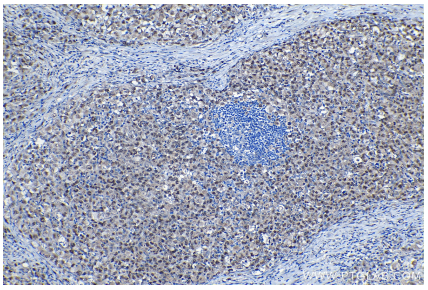
IP result of anti-JUNB (IP:10486-1-AP, 4ug; Detection:10486-1-AP 1:500) with HeLa cells lysate 1200ug.



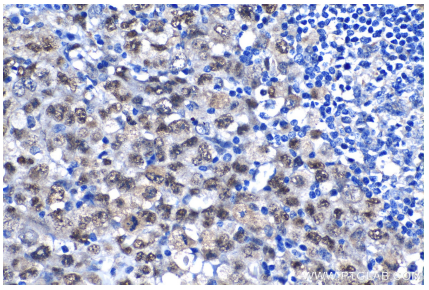
Various lysates were subjected to SDS PAGE followed by western blot with 10486-1-AP (JUNB antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



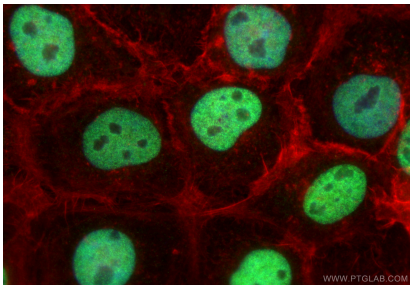
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10486-1-AP (JUNB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).