

For Research Use Only

# BCL11B Polyclonal antibody

Catalog Number: 55414-1-AP

2 Publications



## Basic Information

### Catalog Number:

55414-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_022898

### GeneID (NCBI):

64919

### UNIPROT ID:

Q9C0K0

### Full Name:

B-cell CLL/lymphoma 11B (zinc finger protein)

### Calculated MW:

96 kDa

### Observed MW:

116 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 1:200-1:800

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse

### 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 : Jurkat cells, mouse thymus tissue, MOLT-4 cells

IP : Jurkat cells,

IHC : mouse brain tissue,

IF/ICC : HepG2 cells,

## Background Information

BCL11B, also named CTIP2, RIT1, CTIP-2, ZNF856B, and hRIT1-alpha, is a tumor-suppressor protein involved in T-cell lymphomas. It may function on the P53-signaling pathway. BCL11B is a key regulator of both differentiation and survival during thymocyte development. It depresses transcription through direct, TFCOUP2-independent binding to a GC-rich response element. This antibody is specific to BCL11B. The calculated molecular weight of BCL11B is 95 kDa but the modified BCL11B protein is about 116 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Juan Wang	31828511	Arch Virol	WB
Yehua Li	39433900	EMBO J	WB,IF

## 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

\*\*\* 20ul sizes contain 0.1% BSA

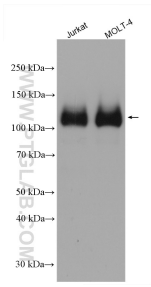
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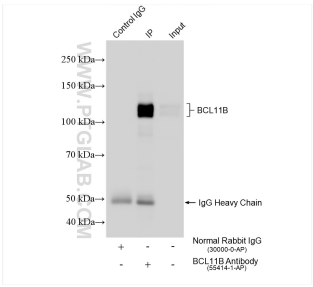
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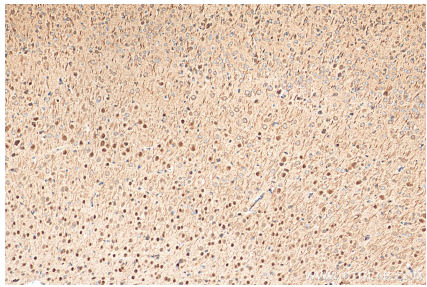
Selected Validation Data



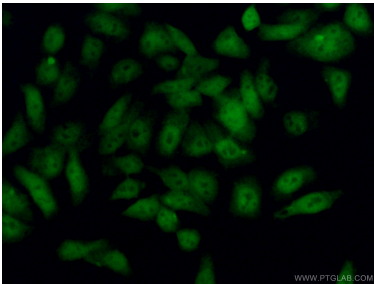
Various lysates were subjected to SDS PAGE followed by western blot with 55414-1-AP (BCL11B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-BCL11B (IP:55414-1-AP, 4ug; Detection:55414-1-AP 1:5000) with Jurkat cells lysate 1320 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55414-1-AP (BCL11B antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 55414-1-AP (BCL11B antibody) at dilution of 1:50 and Coralite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).