

For Research Use Only

BCL11B Polyclonal antibody

Catalog Number: 55414-1-AP

3 Publications



Basic Information

Catalog Number:

55414-1-AP

Concentration:

850 ug/ml

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
Amandine Bery	37027298	Cell Rep	

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

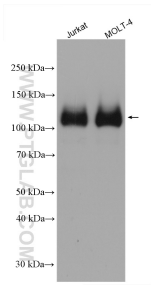
T: 4006900926

E: Proteintech-CN@ptglab.com

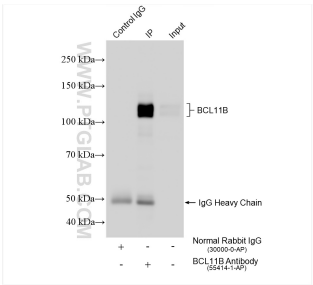
W: ptgcn.com

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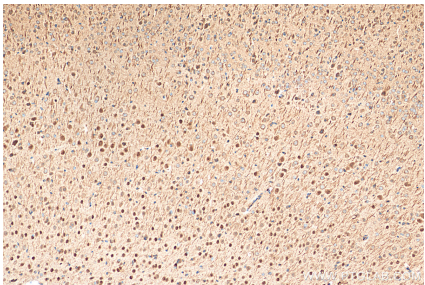
Selected Validation Data



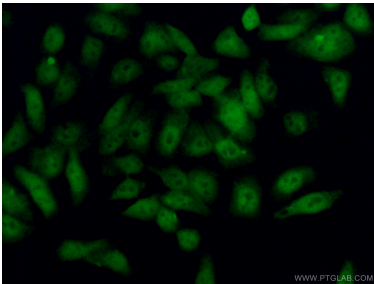
Various lysates were subjected to SDS PAGE followed by western blot with 55414-1-AP (BCL11B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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).