

For Research Use Only

BCL11B Polyclonal antibody

Catalog Number: 55414-1-AP **2 Publications**



Basic Information

Catalog Number: 55414-1-AP	GenBank Accession Number: NM_022898	Purification Method: Antigen affinity purification
Concentration: 850 ug/ml	GeneID (NCBI): 64919	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	UNIPROT ID: Q9C0K0	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: B-cell CLL/lymphoma 11B (zinc finger protein)	IHC 1:200-1:800
	Calculated MW: 96 kDa	IF/ICC 1:50-1:500
	Observed MW: 116 kDa	

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, TF耦P2-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

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

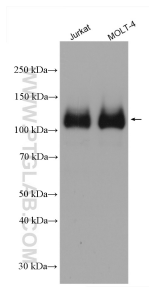
T: 4006900926

E: Proteintech-CN@ptglab.com

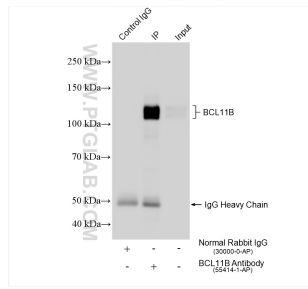
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

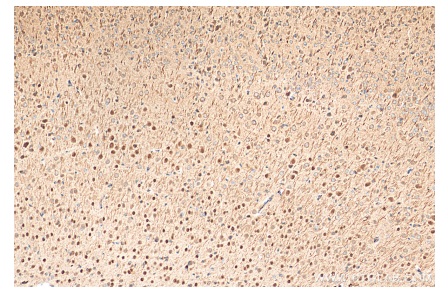
Selected Validation Data



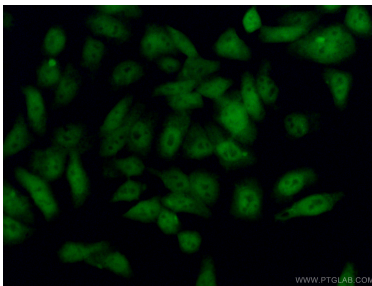
Various lysates were subjected to SDS PAGE followed by western blot with 55414-1-AP (BCL11B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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).