

For Research Use Only

BCL11B Polyclonal antibody

Catalog Number: 55414-1-AP

1 Publications



Basic Information

Catalog Number: 55414-1-AP	GenBank Accession Number: NM_022898	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 1000 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 64919	Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	Full Name: B-cell CLL/lymphoma 11B (zinc finger protein)	IHC 1:200-1:800 IF 1:50-1:500
Isotype: IgG	Calculated MW: 96 kDa Observed MW: 116 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: Jurkat cells, mouse thymus tissue, MOLT-4 cells
Species Specificity: human, mouse	IP: Jurkat cells,
Cited Species: human	IHC: mouse brain tissue,
	IF: HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

Storage

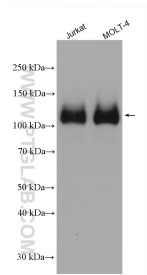
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

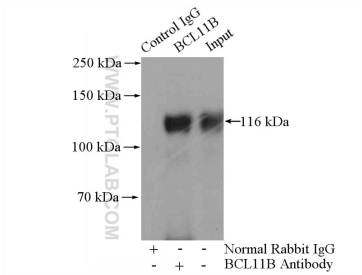
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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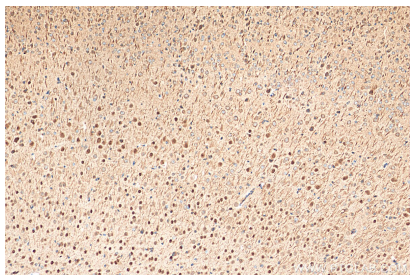
Selected Validation Data



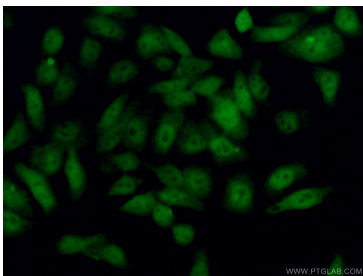
Various lysates were subjected to SDS PAGE followed by western blot with 55414-1-AP (BCL11B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP Result of anti-BCL11B (IP:55414-1-AP, 4ug; Detection:55414-1-AP 1:500) with Jurkat cells lysate 2800ug.



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).