

For Research Use Only

CEBPB Recombinant antibody

Catalog Number:83791-6-RR



Basic Information

Catalog Number: 83791-6-RR	GenBank Accession Number: BC007538	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1051	CloneNo.: 240836G6
Source: Rabbit	UNIPROT ID: P17676	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:150-1:600
Isotype: IgG	Full Name: CCAAT/enhancer binding protein (C/EBP), beta	
Immunogen Catalog Number: AG20073	Calculated MW: 345 aa, 36 kDa	
	Observed MW: 42 kDa, 46 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
human

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 : HeLa cells, A549 cells, U-87 MG cells, MKN-45 cells, MDA-MB-231 cells

IHC : human ovarian cancer,

IF/ICC : HepG2 cells,

Background Information

CCAAT/enhancer-binding protein beta (CEBPB), also known as LAP, is a important transcriptional activator in the regulation of genes involved in immune and inflammatory responses. It specifically binds to an IL-1 response element in the IL-6 gene. CEBPb mRNAs possess alternative translation-initiation codons, which result in the formation of truncated forms of the protein. Three variants of CEBPBs have been detected: a 46 kDa full-length liver-enriched transcription-activating protein (LAP1), a 42 kDa LAP2 and a 20 kDa liver-enriched transcription-inhibitory protein (LIP). (PMID:18820298).

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**

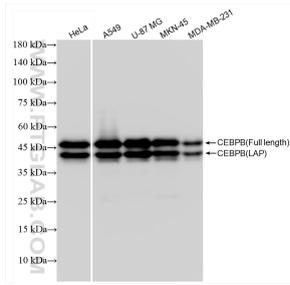
For technical support and original validation data for this product please contact:

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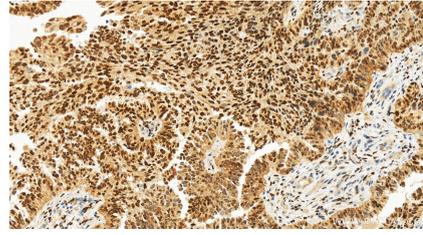
E: proteintech@ptglab.com
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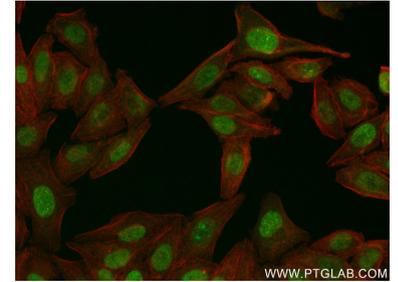
Selected Validation Data



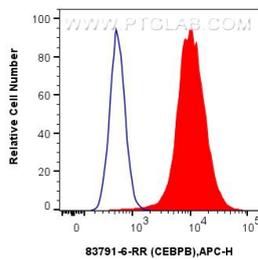
Various lysates were subjected to SDS PAGE followed by western blot with 83791-6-RR (CEBPB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



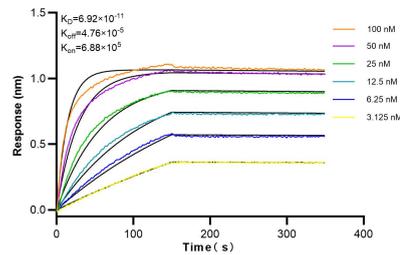
Immunohistochemical analysis of paraffin-embedded human ovarian cancer slide using 83791-6-RR (CEBPB antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CEBPB antibody (83791-6-RR, Clone: 240836G6) at dilution of 1:300 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1×10^6 HeLa cells were intracellularly stained with 0.25 ug CEBPB Recombinant antibody (83791-6-RR, Clone:240836G6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 83791-6-RR against Human CEBPB were performed. The affinity constant is 69.2 pM.