

CEBPB antibody

Product Information

Catalog No.:	FNab01580
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

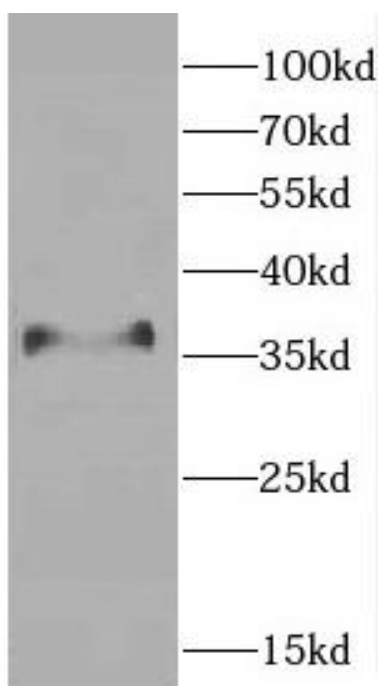
Important transcription factor regulating the expression of genes involved in immune and inflammatory responses(PubMed:1741402, PubMed:9374525, PubMed:12048245, PubMed:18647749). Plays also a significant role in adipogenesis, as well as in the gluconeogenic pathway, liver regeneration, and hematopoiesis. The consensus recognition site is 5'-T[TG]NNGNAA[TG]-3'. Its functional capacity is governed by protein interactions and post-translational protein modifications. During early embryogenesis, plays essential and redundant functions with CEBPA. Has a promitotic effect on many cell types such as hepatocytes and adipocytes but has an antiproliferative effect on T-cells by repressing MYC expression, facilitating differentiation along the T-helper 2 lineage. Binds to regulatory regions of several acute-phase and cytokines genes and plays a role in the regulation of acute-phase reaction and inflammation. Plays also a role in intracellular bacteria killing(By similarity). During adipogenesis, is rapidly expressed and, after activation by phosphorylation, induces CEBPA and PPAR γ , which turn on the series of adipocyte genes that give rise to the adipocyte phenotype. The delayed transactivation of the CEBPA and PPAR γ genes by CEBPB appears necessary to allow mitotic clonal expansion and thereby progression of terminal differentiation(PubMed:20829347). Essential for female reproduction because of a critical role in ovarian follicle development(By similarity). Restricts osteoclastogenesis(By similarity). Isoform 2: Essential for gene expression induction in activated macrophages. Plays a major role in immune responses such as CD4(+) T-cell response, granuloma formation and endotoxin shock. Not essential for intracellular bacteria killing. Isoform 3: Acts as a dominant negative through heterodimerization with isoform 2(PubMed:11741938). Promotes osteoblast differentiation and osteoclastogenesis(By similarity).

Immunogen information

Immunogen: CCAAT/enhancer binding protein(C/EBP), beta
 Synonyms: CCAAT/enhancer-binding protein beta (C/EBP beta)|Liver activator protein (LAP)|Liver-enriched inhibitory protein (LIP)|Nuclear factor NF-IL6|Transcription factor 5 (TCF-5)|CEBPB|TCF5
 Observed MW: 36 kDa
 Uniprot ID : P17676

Application

Reactivity: Human, Rat
 Tested Application: ELISA, WB
 Recommended dilution: WB: 1:500-1:2000
 Image:



RAW 264.7 cells were subjected to SDS PAGE followed by western blot with FNab01580(CEBPB Antibody) at dilution of 1:300