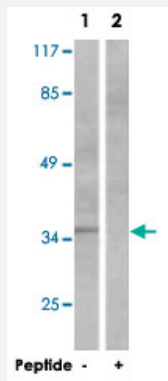


CEBPB polyclonal antibody

Catalog # PAB18114 Size 100 ug

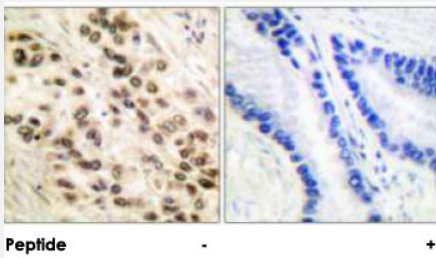
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells, using CEBPB polyclonal antibody (Cat # PAB18114).

Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using CEBPB polyclonal antibody (Cat # PAB18114).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CEBPB.
Immunogen	A synthetic peptide corresponding to human CEBPB.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to CEBPB.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:300-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells, using CEBPB polyclonal antibody (Cat # PAB18114).
Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using CEBPB polyclonal antibody (Cat # PAB18114).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CEBPB

Entrez GeneID	1051
Protein Accession#	P17676
Gene Name	CEBPB
Gene Alias	C/EBP-beta, CRP2, IL6DBP, LAP, MGC32080, NF-IL6, TCF5
Gene Description	CCAAT/enhancer binding protein (C/EBP), beta
Omim ID	189965
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain DNA regulatory regions. It can also form heterodimers with the related proteins CEBP-alpha, CEBP-delta, and CEBP-gamma. The encoded protein is important in the regulation of genes involved in immune and inflammatory responses and has been shown to bind to the IL-6 response element in the IL-6 gene, as well as to regulatory regions of several acute-phase and cytokine genes. In addition, the encoded protein can bind the promoter and upstream element and stimulate the expression of the collagen type I gene. [provided by RefSeq]

Other Designations

CCAAT/enhancer binding protein beta|interleukin 6-dependent DNA-binding protein|liver-enriched transcriptional activator protein|nuclear factor of interleukin 6|transcription factor 5

Publication Reference

- [CCAAT/enhancer binding protein-beta is a mediator of keratinocyte survival and skin tumorigenesis involving oncogenic Ras signaling.](#)

Zhu S, Yoon K, Sterneck E, Johnson PF, Smart RC.

Proceedings of the National Academy of Sciences of the United States of America 2002 Jan; 99(1):207.

- [Critical role of C/EBPdelta and C/EBPbeta factors in the stimulation of the cyclooxygenase-2 gene transcription by interleukin-1beta in articular chondrocytes.](#)

Thomas B, Berenbaum F, Humbert L, Bian H, Bereziat G, Crofford L, Olivier JL.

European Journal of Biochemistry 2000 Dec; 267(23):6798.

Application: GSA, Rabbit, Chondrocyte

- [Regulation of Gadd45gamma expression by C/EBP.](#)

Jung N, Yi YW, Kim D, Shong M, Hong SS, Lee HS, Bae I.

European Journal of Biochemistry 2000 Oct; 267(20):6180.

Application: Func, WB-Ce, Mouse, M1 myeloid cells, NIH/3T3 cells

Disease

- [Genetic Predisposition to Disease](#)
- [Obesity](#)