

Datasheet for ABIN7147080
anti-CEBPB antibody (AA 41-270)



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1 Image

Overview

Quantity:	100 µg
Target:	CEBPB
Binding Specificity:	AA 41-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEBPB antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human CCAAT/enhancer-binding protein beta protein (41-270AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CEBPB
Alternative Name:	CEBPB (CEBPB Products)
Background:	Background: Important transcription factor regulating the expression of genes involved in immune and inflammatory responses (PubMed:1741402, PubMed:9374525,

Target Details

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 PPARG, which turn on the series of adipocyte genes that give rise to the adipocyte phenotype. The delayed transactivation of the CEBPA and PPARG 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).

Aliases: AGP/EBP antibody, C EBP beta antibody, C/EBP beta antibody, C/EBP related protein 2 antibody, CCAAT Enhancer Binding Protein beta antibody, CCAAT/enhancer-binding protein beta antibody, CEBPB antibody, CEBPB_HUMAN antibody, CRP2 antibody, IL 6DBP antibody, IL6DBP antibody, Interleukin 6 dependent binding protein antibody, LAP antibody, Liver activator protein antibody, Liver enriched transcriptional activator antibody, NF IL6 antibody, NFIL6 antibody, Nuclear factor NF IL6 antibody, Nuclear factor NF-IL6 antibody, SF B antibody, SFB antibody, Silencer factor B antibody, TCF-5 antibody, TCF5 antibody, Transcription factor 5 antibody

UniProt: [P17676](#)

Pathways: [Interferon-gamma Pathway](#), [Autophagy](#), [Brown Fat Cell Differentiation](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

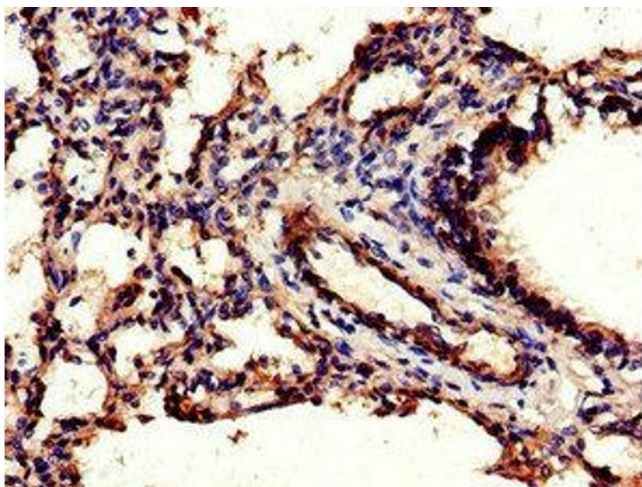
Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300

Handling

	Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human lung tissue using ABIN7147080 at dilution of 1:100