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CEBPD Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12648b

Product Information

Application	WB, E
Primary Accession	P49716
Other Accession	Q03484, Q00322, O02756, NP_005186.2
Reactivity	Human
Predicted	Rat, Bovine, Mouse, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	28467
Antigen Region	169-197

Additional Information

Gene ID	1052
Other Names	CCAAT/enhancer-binding protein delta, C/EBP delta, Nuclear factor NF-IL6-beta, NF-IL6-beta, CEBPD
Target/Specificity	This CEBPD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-197 amino acids from the C-terminal region of human CEBPD.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CEBPD Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CEBPD
Function	Transcription activator that recognizes two different DNA motifs: the CCAAT homology common to many promoters and the enhanced core homology common to many enhancers (PubMed:16397300). Important transcription

factor regulating the expression of genes involved in immune and inflammatory responses (PubMed:16397300, PubMed:1741402). Transcriptional activator that enhances IL6 transcription alone and as heterodimer with CEBPB (PubMed:1741402).

Cellular Location Nucleus.

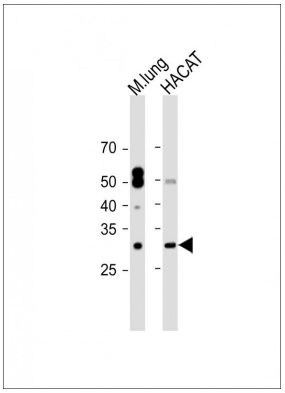
Background

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 protein CEBP-alpha. The encoded protein is important in the regulation of genes involved in immune and inflammatory responses, and may be involved in the regulation of genes associated with activation and/or differentiation of macrophages. The cytogenetic location of this locus has been reported as both 8p11 and 8q11.

References

Zannetti, C., et al. J. Biol. Chem. 285(45):34773-34780(2010)
Wang, J., et al. Proc. Natl. Acad. Sci. U.S.A. 107(37):16131-16136(2010)
Hour, T.C., et al. Biochem. Pharmacol. 80(3):325-334(2010)
Bennett, C.E., et al. Diab Vasc Dis Res 7(3):195-203(2010)
Payne, V.A., et al. Biochem. J. 425(1):215-223(2010)

Images



All lanes: Anti-CEBPD Antibody (C-term) at 1:1000 dilution Lane 1: Mouse lung lysate Lane 2: HACAT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 30 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.