

**CEBPE Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP14112b****Specification**

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**CEBPE Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q15744](#)**CEBPE Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 1053**Other Names**

CCAAT/enhancer-binding protein epsilon, C/EBP epsilon, CEBPE

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP14112b was selected from the C-term region of CEBPE. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CEBPE Antibody (C-term) Blocking peptide - Protein Information****Name** CEBPE**Function**

Transcriptional activator (PubMed:<a href="http://www.uniprot.org/citations/26019275" target="\_blank">26019275</a>). C/EBP are DNA- binding proteins that recognize two different motifs: the CCAAT homology common to many promoters and the enhanced core homology common to many enhancers. Required for the promyelocyte-myelocyte transition in myeloid differentiation (PubMed:<a href="http://www.uniprot.org/citations/10359588" target="\_blank">10359588</a>).

**Cellular Location**

Nucleus

**Tissue Location**

Strongest expression occurs in promyelocyte and late-myeloblast-like cell lines.

## **CEBPE Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **CEBPE Antibody (C-term) Blocking peptide - Images**

## **CEBPE Antibody (C-term) Blocking peptide - Background**

The protein encoded by this gene is a bZIP transcriptionfactor which can bind as a homodimer to certain DNA regulatoryregions. It can also form heterodimers with the related proteinCEBP-delta. The encoded protein may be essential for terminaldifferentiation and functional maturation of committed granulocyteprogenitor cells. Mutations in this gene have been associated withSpecific Granule Deficiency, a rare congenital disorder. Multiplevariants of this gene have been described, but the full-lengthnature of only one has been determined.

## **CEBPE Antibody (C-term) Blocking peptide - References**

Prasad, R.B., et al. Blood (2009) In press :Papaemmanuil, E., et al. Nat. Genet. 41(9):1006-1010(2009)Bedi, R., et al. Blood 113(2):317-327(2009)Cloutier, A., et al. J. Immunol. 182(1):563-571(2009)Matsushita, H., et al. Oncogene 27(53):6749-6760(2008)