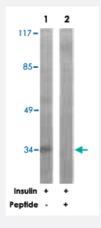


CEBPE polyclonal antibody

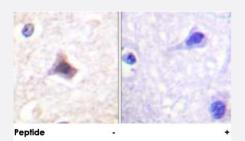
Catalog # PAB18310 Size 100 ug

Applications



Western Blot (Cell lysate)

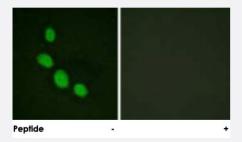
Western blot analysis of extracts from HUVEC cells, treated with Insulin (0.01 U /ml, 15 mins), using CEBPE polyclonal antibody (Cat # PAB18310). Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using CEBPE polyclonal antibody (Cat # PAB18310).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using CEBPE polyclonal antibody (Cat # PAB18310).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of CEBPE.



Product Information

Immunogen	A synthetic peptide corresponding to residues surrounding T74 of human CEBPE.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to CEBPE.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:5000) 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 shoul d be handled by trained staff only.

Applications

Western Blot (Cell lysate)

Western blot analysis of extracts from HUVEC cells, treated with Insulin (0.01 U /ml, 15 mins), using CEBPE polyclonal antibody (Cat # PAB18310).

Peptide "+" means "peptide blocking".

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

Immunohistochemical analysis of paraffin-embedded human brain tissue using CEBPE polyclonal antibody (Cat # PAB18310). Peptide "+" means "peptide blocking".

Immunofluorescence

Immunofluorescence analysis of HeLa cells, using CEBPE polyclonal antibody (Cat # PAB18310). Peptide "+" means "peptide blocking".

Enzyme-linked Immunoabsorbent Assay



Gene Info — CEBPE	
Entrez GenelD	1053
Protein Accession#	Q15744
Gene Name	CEBPE
Gene Alias	C/EBP-epsilon, CRP1
Gene Description	CCAAT/enhancer binding protein (C/EBP), epsilon
Omim ID	<u>245480</u> 600749
Gene Ontology	<u>Hyperlink</u>
Gene Summary	The protein encoded by this 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-delta . The encoded protein may be essential for terminal differentiation and functional maturation of committed granulocyte progenitor cells. Mutations in this gene have been associated with Specific Granule Deficiency, a rare congenital disorder. Multiple variants of this gene have been described , but the full-length nature of only one has been determined. [provided by RefSeq
Other Designations	CCAAT/enhancer binding protein epsilon

Publication Reference

 Increased CCAAT enhancer-binding protein epsilon (C/EBPepsilon) expression and premature apoptosis in myeloid cells expressing Gfi-1 N382S mutant associated with severe congenital neutropenia.

Zhuang D, Qiu Y, Kogan SC, Dong F.

The Journal of Biological Chemistry 2006 Apr; 281(16):10745.

Application: WB-Tr, Mouse, 32D, 32D-Gfi-1, 32D-N382S, 32D-CEBPE, L-G, L-G-N382S cells

 <u>C/EBP epsilon mediates myeloid differentiation and is regulated by the CCAAT displacement protein</u> (<u>CDP/cut</u>).

Khanna-Gupta A, Zibello T, Sun H, Lekstrom-Himes J, Berliner N.

Proceedings of the National Academy of Sciences of the United States of America 2001 Jul; 98(14):8000.

The role of C/EBP(epsilon) in the terminal stages of granulocyte differentiation.

Lekstrom-Himes JA.

Stem Cells 2001 Jan; 19(2):125.



Disease

- Genetic Predisposition to Disease
- Precursor B-Cell Lymphoblastic Leukemia-Lymphoma