

C/EBP Zeta Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01023
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CEBPZ. AA range:1-50
Mol wt	120988
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	C/EBP zeta Antibody
Synonyms	CEBPZ; CBF2; CCAAT/enhancer-binding protein zeta; CCAAT-box-binding transcription factor; CBF; CCAAT-binding factor

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CEBPZ belongs to the CEBP family. The encoded protein (CCAAT/enhancer binding protein zeta) plays a role in cellular response to environmental stimuli through a transcriptional process that involves heat shock factors, conserved DNA elements (heat shock elements or HSEs) and CCAAT boxes. The protein acts as a DNA-binding transcriptional activator and regulates the heat-shock protein 70 (HSP70) promoter in a CCAAT-dependent manner. The protein is also involved in cell growth and differentiation, particularly, hematopoietic differentiation. Methylation of the promoter of CEBPZ or mutations within CEBPZ may be correlated with occurrence of acute myeloid leukemia (AML).

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

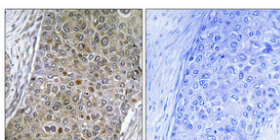
ELISA: 1: 20000

Not yet tested in other applications.

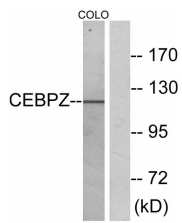
Images



Western Blot analysis of various cells using C/EBP ζ Polyclonal Antibody cells nucleus.



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from COLO cells, using CEBPZ Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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