BT LAB
Bioassay Technology Laboratory
Optimize Your Research

C/EBP Alpha Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01015
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human C/EBP-alpha. AA range:6-55
Mol wt	37575
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	C/EBP alpha Antibody
Synonyms	CEBPA; CCAAT/enhancer-binding protein alpha; C/EBP alpha

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

Background

CEBPA encodes a transcription factor that contains a basic leucine zipper (bZIP) domain and recognizes the CCAAT motif in the promoters of target genes. The CCAAT/enhancer binding protein alpha functions in homodimers and also heterodimers with CCAAT/enhancer-binding proteins beta and gamma. Activity of this protein can modulate the expression of genes involved in cell cycle regulation as well as in body weight homeostasis. Mutation of this gene is associated with acute myeloid leukemia. The use of alternative in-frame non-AUG (GUG) and AUG start codons results in protein isoforms with different lengths. Differential translation initiation is mediated by an out-of-frame, upstream open reading frame which is located between the GUG and the first AUG start codons.

Recommended Dilution

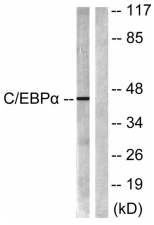
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

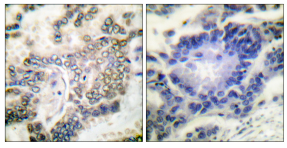
ELISA: 1: 5000

Not yet tested in other applications.

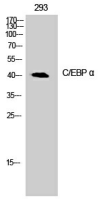
Images



Western blot analysis of lysates from 293 cells, treated with Insulin 0.01U/ml 15', using C/EBP-alpha Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using C/EBP-alpha Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of 293 cells using C/EBP α Polyclonal Antibody cells nucleus.

Storage

-20°C for one year

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