

## Phospho-C/EBP Alpha (S21) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-PHS00597
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human C/EBP-alpha around the phosphorylation site of Ser21. AA range:6-55
<b>Mol wt</b>	37575
<b>Species reactivity</b>	Human, mouse, rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Phospho-C/EBP alpha (S21) Antibody
<b>Synonyms</b>	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

This intronless gene (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 encoded protein (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 CEBPA 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

No images.

### Storage

-20°C for one year