

## CEBPA (phospho T226) polyclonal antibody

Catalog # PAB31652

Size 100 uL

### Specification

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of human CEBPA (phospho T226).                             |
| <b>Immunogen</b>           | A synthetic peptide corresponding to amino acids 170-250 of human CEBPA (phospho T226).                                |
| <b>Host</b>                | Rabbit                                                                                                                 |
| <b>Reactivity</b>          | Human, Monkey, Mouse, Rat                                                                                              |
| <b>Specificity</b>         | This antibody detects endogenous levels of C/EBP alpha protein only when phosphorylated at T226.                       |
| <b>Form</b>                | Liquid                                                                                                                 |
| <b>Purification</b>        | Affinity purification                                                                                                  |
| <b>Isotype</b>             | IgG                                                                                                                    |
| <b>Recommend Usage</b>     | ELISA (1:10000)<br>Western Blot (1:500-2000)<br>The optimal working dilution should be determined by the end user.     |
| <b>Storage Buffer</b>      | In PBS (50% glycerol, 0.5% BSA and 0.02% sodium azide).                                                                |
| <b>Storage Instruction</b> | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                     |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

### Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CEBPA

Entrez GeneID [1050](#)

Protein Accession# [P49715](#)

Gene Name CEBPA

Gene Alias C/EBP-alpha, CEBP

Gene Description CCAAT/enhancer binding protein (C/EBP), alpha

Omim ID [116897 601626](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain promoters and enhancers. It can also form heterodimers with the related proteins CEBP-beta and CEBP-gamma. The encoded protein has been shown to bind to the promoter and modulate the expression of the gene encoding leptin, a protein that plays an important role in body weight homeostasis. Also, the encoded protein can interact with CDK2 and CDK4, thereby inhibiting these kinases and causing growth arrest in cultured cells. [provided by RefSeq]

**Other Designations** CCAAT/enhancer binding protein alpha

## Pathway

- [Acute myeloid leukemia](#)
- [Pathways in cancer](#)

## Disease

- [Acute Disease](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)

- [Hematologic Neoplasms](#)
- [Hyperlipidemias](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Myelodysplastic Syndromes](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Peripheral Vascular Diseases](#)
- [Recurrence](#)