

## Rabbit C/EBP alpha Polyclonal Antibody | anti-C/EBPalpha antibody

C/EBP alpha (phospho Thr230) Polyclonal Antibody

|                               |                       |                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA293986</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|

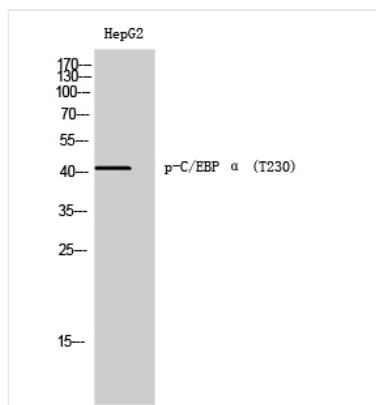
### PRODUCT SYNONYMS

C/EBP alpha; Polyclonal Antibody; C/EBP alpha (phospho Thr230) Polyclonal Antibody; CEBPA; CCAAT/enhancer-binding protein alpha; anti-C/EBPalpha antibody

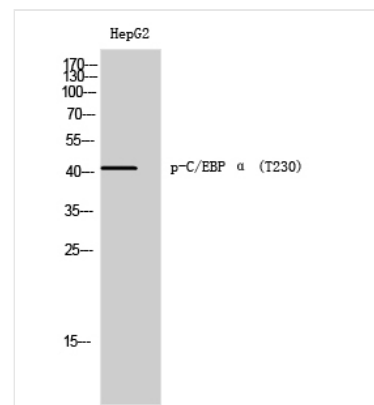
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                       |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | Rabbit                                                                                                                                                |
| Reactivity                                           | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                            | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-C/EBPalpha antibody | WB (Western Blot)                                                                                                                                     |
| Preparation and Storage                              | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.


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ADDITIONAL INFORMATION

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| Related Product Information for anti-C/EBPalpha antibody | Transcription factor that coordinates proliferation arrest and the differentiation of myeloid progenitors, adipocytes, hepatocytes, and cells of the lung and the placenta. Binds directly to the consensus DNA sequence 5'-T[TG]NNGNAA[TG]-3' acting as an activator on distinct target genes (PubMed:11242107). During early embryogenesis, plays essential and redundant functions with CEBPB. Essential for the transition from common myeloid progenitors (CMP) to granulocyte/monocyte progenitors (GMP). Critical for the proper development of the liver and the lung (By similarity). Necessary for terminal adipocyte differentiation, is required for postnatal maintenance of systemic energy homeostasis and lipid storage (By similarity). To regulate these different processes at the proper moment and tissue, interplays with other transcription factors and modulators. Downregulates the expression of genes that maintain cells in an undifferentiated and proliferative state through E2F1 repression, which is critical for its ability to induce adipocyte and granulocyte terminal differentiation. Reciprocally E2F1 blocks adipocyte differentiation by binding to specific promoters and repressing CEBPA binding to its target gene promoters. Proliferation arrest also depends on a functional binding to SWI/SNF complex (PubMed:14660596). In liver, regulates gluconeogenesis and lipogenesis through different mechanisms. To regulate gluconeogenesis, functionally cooperates with FOXO1 binding to IRE-controlled promoters and regulating the expression of target genes such as PCK1 or G6PC. To modulate lipogenesis, interacts and transcriptionally synergizes with SREBF1 in promoter activation of specific lipogenic target genes such as ACAS2. In adipose tissue, seems to act as FOXO1 coactivator accessing to ADIPOQ promoter through FOXO1 binding sites (By similarity). |
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NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 28872794                                      |
| NCBI GeneID                      | 1050                                          |
| NCBI Accession #                 | NP_004355.2                                   |
| NCBI GenBank Nucleotide #        | NM_004364.3                                   |
| UniProt Accession #              | P49715; P78319; Q05CA4; A7LNP2                |
| Molecular Weight                 | 37,561 Da                                     |
| NCBI Official Full Name          | CCAAT/enhancer-binding protein alpha          |
| NCBI Official Synonym Full Names | CCAAT/enhancer binding protein (C/EBP), alpha |
| NCBI Official Symbol             | CEBPA                                         |
| NCBI Official Synonym Symbols    | CEBP; C/EBP-alpha                             |
| NCBI Protein Information         | CCAAT/enhancer-binding protein alpha          |
| UniProt Protein Name             | CCAAT/enhancer-binding protein alpha          |
| UniProt Gene Name                | CEBPA                                         |
| UniProt Synonym Gene Names       | C/EBP alpha                                   |
| UniProt Entry Name               | CEBPA_HUMAN                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/c-ebp-alpha-antibody-western-blot-elisa/293986>