

## C/EBP-alpha Antibody | anti-C/EBP-alpha antibody

C/EBP-alpha (Phospho-Ser21) Antibody

|                               |                                        |                                                                  |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA109247</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|------------------------------------------------------------------|

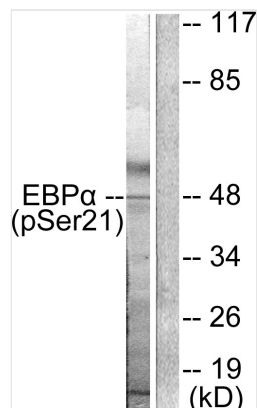
### PRODUCT SYNONYMS

C/EBP-alpha; C/EBP-alpha (Phospho-Ser21) Antibody; Apoptotic cysteine protease; Apoptotic protease Mch-5; CAP4; Caspase-8 precursor; EC 3.4.22.-; FADD-homologous ICE/CED-3-like protease; FADD-like ICE; FLICE; ICE-like apoptotic protease 5; ICE8; MACH; MCH5; MORT1-associated CED-3 homolog; anti-C/EBP-alpha antibody

### PRODUCT SPECIFICATIONS

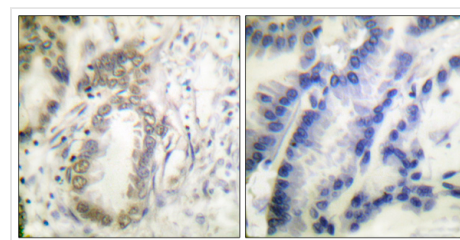
|                                                       |                                                                                                                                                                                                                                                     |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                            | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                           | C/EBP-alpha (phospho-Ser21) antibody detects endogenous levels of C/EBP-alpha only when phosphorylated at serine 21.                                                                                                                                |
| Purity/Purification                                   | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                           | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                      |
| Sequence Length                                       | 239                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-C/EBP-alpha antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                             | The antiserum was produced against synthesized phosphopeptide derived from human C/EBP-alpha around the phosphorylation site of serine 21 (L-Q-SP-P-P).                                                                                             |
| All Sites                                             | Human: Ser21<br>Mouse: Ser21<br>Rat: Ser21                                                                                                                                                                                                          |
| Preparation and Storage                               | Store at -20 degree C for 1 year                                                                                                                                                                                                                    |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from HepG2 cells treated with EGF (200ng/ml, 5mins), using C/EBP-alpha (phospho-Ser21) antibody.



#### IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using C/EBP-alpha (phospho-Ser21) antibody.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                               |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-C/EBP-alpha antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells             |
| References                                              | Takashi Akasaka, Blood, Apr 2007; 109: 3451-3461. Carolina Gillio-Meina, Biol Reprod, May 2005; 72: 1194-1204. Raphaël Métivier, Mol. Endocrinol., Nov 2001; 15: 1953. Neoncheol Jung, Eur. J. Biochem., Oct 2000; 267: 6180. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 551894998                                      |
| NCBI GeneID                      | 1050                                           |
| NCBI Accession #                 | NP_001272758.1                                 |
| NCBI GenBank Nucleotide #        | NM_001285829.1                                 |
| UniProt Accession #              | P49715; P78319; Q05CA4; A7LNP2                 |
| Molecular Weight                 | 41,249 Da                                      |
| NCBI Official Full Name          | CCAAT/enhancer-binding protein alpha isoform b |
| NCBI Official Synonym Full Names | CCAAT enhancer binding protein 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                                    |

**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/human-mouse-rat-antibody/c-ebp-alpha/109247>