

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

C/EBP-alpha (Phospho-Ser21) Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA302036</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

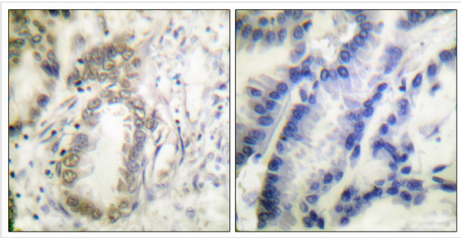
### PRODUCT SYNONYMS

C/EBP-alpha; Polyclonal Antibody; C/EBP-alpha (Phospho-Ser21) Antibody; C/EBP-a (Phospho-Ser21) Antibody; CAP4; ICE8; MACH; MCH5; Mch-5; anti-C/EBP-alpha antibody

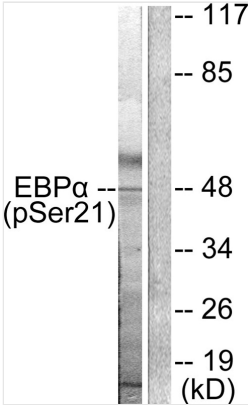
### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                             |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | Rabbit                                                                                                                                                                                                                                                      |
| Reactivity                                            | Human, Mouse, Rat                                                                                                                                                                                                                                           |
| Clonality                                             | Polyclonal                                                                                                                                                                                                                                                  |
| Specificity                                           | The antibody detects endogenous levels of C/EBP-a only when phosphorylated at serine 21.                                                                                                                                                                    |
| Purity/Purification                                   | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography. |
| Form/Format                                           | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                          |
| Concentration                                         | 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                   |
| Sequence Length                                       | 239                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-C/EBP-alpha antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                               |
| Immunogen Type                                        | Peptide-KLH                                                                                                                                                                                                                                                 |
| Immunogen Description                                 | Peptide sequence around phosphorylation site of Serine 21 (L-Q-S(p)-P-P) derived from Human C/EBP-a.                                                                                                                                                        |
| Modification                                          | Phospho-Ser21                                                                                                                                                                                                                                               |
| Target Name                                           | C/EBP-a                                                                                                                                                                                                                                                     |
| Preparation and Storage                               | Store at -20 degree C/1 year                                                                                                                                                                                                                                |

IMAGES



**IHC (Immunohistochemistry)**  
Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using C/EBP-a (phospho-Ser21) antibody (left) or the same antibody preincubated with blocking peptide (right).



**WB (Western Blot)**  
Western blot analysis of extracts from HepG2 cells treated with EGF using C/EBP-a (phospho-Ser21) Antibody. The lane on the right is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-C/EBP-alpha antibody | C/EBP is a DNA-binding protein that recognizes two different motifs: the CCAAT homology common to many promoters and the enhanced core homology common to many enhancers. Takashi Akasaka, Blood, Apr 2007; 109: 3451 - 3461. Carolina Gillio-Meina, Biol Reprod, May 2005; 72: 1194 - 1204. Raphaël M. J. Tivier, Mol. Endocrinol., Nov 2001; 15: 1953. Neoncheol Jung, Eur. J. Biochem., Oct 2000; 267: 6180. |
| Product Categories/Family for anti-C/EBP-alpha antibody   | Phospho-specific Ab                                                                                                                                                                                                                                                                                                                                                                                             |

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 (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.