

## Rabbit 4EBP1 Polyclonal Antibody | anti-4EBP1 antibody

Rabbit anti-4EBP1 (pT46) Antibody

| CATALOG # | HOST   | REACTIVITY                                | APPLICATIONS                       |
|-----------|--------|-------------------------------------------|------------------------------------|
| AAA223378 | Rabbit | Human, Mouse, Rat, Bovine, Pig, Zebrafish | Immunohistochemistry, Western Blot |

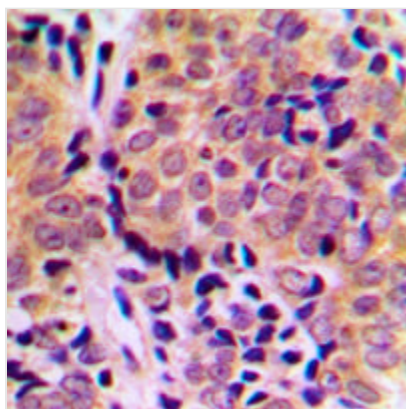
### PRODUCT SYNONYMS

4EBP1; Polyclonal Antibody; Rabbit anti-4EBP1 (pT46) Antibody; Eukaryotic translation initiation factor 4E-binding protein 1; 4E-BP1; eIF4E-binding protein 1; Phosphorylated heat- and acid-stable protein regulated by insulin 1; PHAS-I; anti-4EBP1 antibody

### PRODUCT SPECIFICATIONS

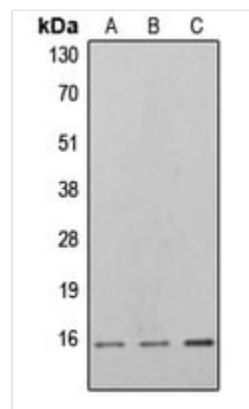
|                                                 |                                                                                                                                             |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                      |
| Reactivity                                      | Human, Mouse, Rat, Bovine, Pig, Zebrafish                                                                                                   |
| Clonality                                       | Polyclonal                                                                                                                                  |
| Purity/Purification                             | The antibody was purified by immunogen affinity chromatography.                                                                             |
| Form/Format                                     | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                   |
| Concentration                                   | 1mg/mL (varies by lot)                                                                                                                      |
| Applicable Applications for anti-4EBP1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                               |
| Immunogen                                       | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human 4EBP1 (pT46). The exact sequence is proprietary. |
| Preparation and Storage                         | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                   |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of 4EBP1 (pT46) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of 4EBP1 (pT46) expression in K562 PMA-treated (A), NIH3T3 PMA-treated (B), PC12 PMA-treated (C) whole cell lysates.

ADDITIONAL INFORMATION

|                                                   |                    |
|---------------------------------------------------|--------------------|
| Product Categories/Family for anti-4EBP1 antibody | Primary antibodies |
|---------------------------------------------------|--------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4758258                                                                                                                                                     |
| NCBI GeneID                      | 1978                                                                                                                                                        |
| NCBI Accession #                 | NP_004086.1                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_004095.3                                                                                                                                                 |
| UniProt Accession #              | Q13541; Q60876; Q62622                                                                                                                                      |
| Molecular Weight                 | 12,580 Da                                                                                                                                                   |
| NCBI Official Full Name          | eukaryotic translation initiation factor 4E-binding protein 1                                                                                               |
| NCBI Official Synonym Full Names | eukaryotic translation initiation factor 4E binding protein 1                                                                                               |
| NCBI Official Symbol             | EIF4EBP1                                                                                                                                                    |
| NCBI Official Synonym Symbols    | BP-1; 4EBP1; 4E-BP1; PHAS-I                                                                                                                                 |
| NCBI Protein Information         | eukaryotic translation initiation factor 4E-binding protein 1; eIF4E-binding protein 1; phosphorylated heat- and acid-stable protein regulated by insulin 1 |
| UniProt Protein Name             | Eukaryotic translation initiation factor 4E-binding protein 1                                                                                               |
| UniProt Gene Name                | EIF4EBP1                                                                                                                                                    |
| UniProt Synonym Gene Names       | 4E-BP1; eIF4E-binding protein 1; PHAS-I                                                                                                                     |
| UniProt Entry Name               | 4EBP1_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/4ebp1-antibody-immunohistochemistry-western-blot-elisa/223378>