

Datasheet for ABIN1532584

**anti-eIF4EBP1 antibody (AA 2-51)****2** Images[Go to Product page](#)

## Overview

|                      |                                                            |
|----------------------|------------------------------------------------------------|
| Quantity:            | 100 µL                                                     |
| Target:              | eIF4EBP1 (EIF4EBP1)                                        |
| Binding Specificity: | AA 2-51                                                    |
| Reactivity:          | Human, Mouse, Rat                                          |
| Host:                | Rabbit                                                     |
| Clonality:           | Polyclonal                                                 |
| Conjugate:           | This eIF4EBP1 antibody is un-conjugated                    |
| Application:         | Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF) |

## Product Details

|               |                                                                                             |
|---------------|---------------------------------------------------------------------------------------------|
| Immunogen:    | The antiserum was produced against synthesized peptide derived from human 4E-BP1.           |
| Isotype:      | IgG                                                                                         |
| Specificity:  | 4E-BP1 Antibody detects endogenous levels of total 4E-BP1 protein.                          |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen. |
| Purity:       | > 95 %                                                                                      |

## Target Details

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Target:           | eIF4EBP1 (EIF4EBP1)                                                                       |
| Alternative Name: | 4E-BP1 ( <a href="#">EIF4EBP1 Products</a> )                                              |
| Background:       | Synonyms: 4EBP1, EIF4EBP1, Eukaryotic translation initiation factor 4E binding protein 1, |

## Target Details

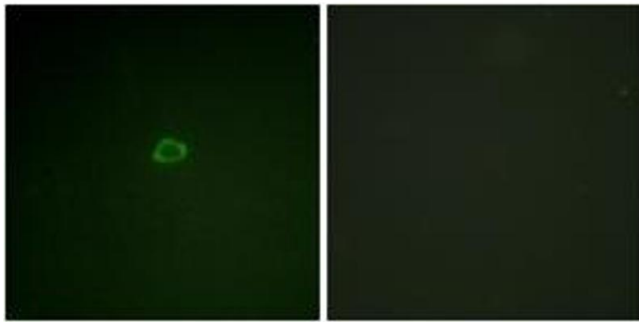
|                   |                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | Insulin-stimulated EIF-4E binding protein PHAS-I, P/OKCL.6, PHAS-1, PHAS-I<br>NCBI Gene Symbol: EIF4EBP1                                                                                                          |
| Molecular Weight: | 12 kDa                                                                                                                                                                                                            |
| Gene ID:          | 1978                                                                                                                                                                                                              |
| OMIM:             | 602223                                                                                                                                                                                                            |
| UniProt:          | <a href="#">Q13541</a>                                                                                                                                                                                            |
| Pathways:         | <a href="#">MAPK Signaling</a> , <a href="#">PI3K-Akt Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">AMPK Signaling</a> , <a href="#">Regulation of Cell Size</a> ,<br><a href="#">BCR Signaling</a> |

## Application Details

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| Application Notes: | IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:1000          |
| Comment:           | Unigene-Number: Hs.411641 (NCBI Gene Symbol: EIF4EBP1) |
| Restrictions:      | For Research Use only                                  |

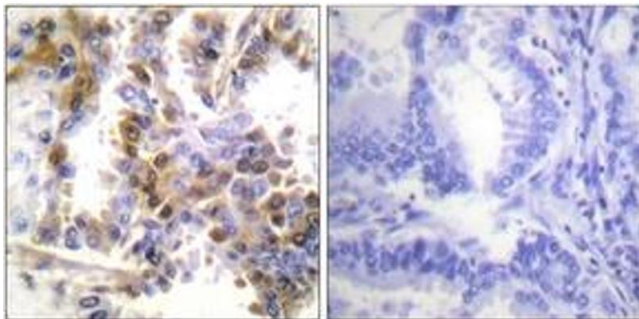
## Handling

|                    |                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                  |
| Concentration:     | 1 mg/mL                                                                                                                                 |
| Buffer:            | phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative:      | Sodium azide                                                                                                                            |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |
| Storage:           | -20 °C                                                                                                                                  |
| Storage Comment:   | Stable at -20°C for at least 1 year.                                                                                                    |
| Expiry Date:       | 12 months                                                                                                                               |



#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of A549 cells, using 4E-BP1 (Ab-36) Antibody. The picture on the right is treated with the synthesized peptide.



#### Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using 4E-BP1 (Ab-36) Antibody. The picture on the right is treated with the synthesized peptide.