

Datasheet for ABIN5001674

**anti-eIF4EBP1 antibody (pSer112) (AbBy Fluor® 680)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | eIF4EBP1 (EIF4EBP1)                                                                                                            |
| Binding Specificity: | pSer112                                                                                                                        |
| Reactivity:          | Human, Mouse, Rat                                                                                                              |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This eIF4EBP1 antibody is conjugated to AbBy Fluor® 680                                                                        |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from mouse 4EBP1 around the phosphorylation site of Ser112 |
| Isotype:              | IgG                                                                                                        |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Horse                                                                         |
| Purification:         | Purified by Protein A.                                                                                     |

## Target Details

|                   |                                              |
|-------------------|----------------------------------------------|
| Target:           | eIF4EBP1 (EIF4EBP1)                          |
| Alternative Name: | E4EBP1 ( <a href="#">EIF4EBP1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | Synonyms: 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, EIF4EBP1<br>Background: Regulates eIF4E activity by preventing its assembly into the eIF4F complex: hypophosphorylated form competes with EIF4G1/EIF4G3 and strongly binds to EIF4E, leading to repress translation. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways. |
| Gene ID:    | 1978                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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> , <a href="#">BCR Signaling</a>                                                                                                                                                                                                                                                                                                                                                   |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | IF(IHC-P) 1:50-200    |
| Restrictions:      | For Research Use only |

## Handling

|                  |                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------|
| Format:          | Liquid                                                                                                      |
| Concentration:   | 1 µg/µL                                                                                                     |
| Buffer:          | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Storage:         | -20 °C                                                                                                      |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                           |
| Expiry Date:     | 12 months                                                                                                   |