

Datasheet for ABIN7265174

**anti-eIF4EBP1 antibody (pThr36)**[Go to Product page](#)**1** Image

## Overview

|                      |                                         |
|----------------------|-----------------------------------------|
| Quantity:            | 200 µL                                  |
| Target:              | eIF4EBP1 (EIF4EBP1)                     |
| Binding Specificity: | pThr36                                  |
| Reactivity:          | Human, Mouse, Rat                       |
| Host:                | Rabbit                                  |
| Clonality:           | Polyclonal                              |
| Conjugate:           | This eIF4EBP1 antibody is un-conjugated |
| Application:         | Western Blotting (WB)                   |

## Product Details

|                  |                                                                                        |
|------------------|----------------------------------------------------------------------------------------|
| Immunogen:       | A phospho specific peptide corresponding to residues surrounding T36 of human EIF4EBP1 |
| Isotype:         | IgG                                                                                    |
| Characteristics: | Phosphorylated antibody                                                                |
| Purification:    | Affinity purification                                                                  |

## Target Details

|                   |                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | eIF4EBP1 (EIF4EBP1)                                                                                                                                                                      |
| Alternative Name: | EIF4EBP1 ( <a href="#">EIF4EBP1 Products</a> )                                                                                                                                           |
| Background:       | This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting |

## Target Details

component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.

Molecular Weight: Observed\_MW: 20 kDa  
Calculated\_MW: 12 kDa

Gene ID: 1978

UniProt: [Q13541](#)

Pathways: [MAPK Signaling](#), [PI3K-Akt Signaling](#), [RTK Signaling](#), [AMPK Signaling](#), [Regulation of Cell Size](#), [BCR Signaling](#)

## Application Details

Application Notes: WB 1:500-1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

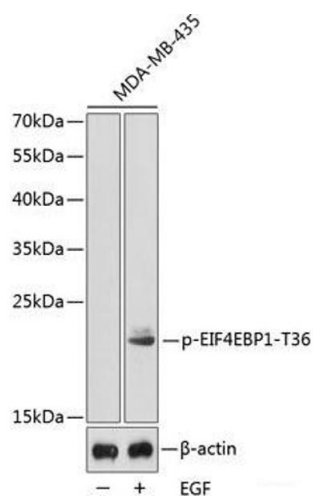
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

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: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

**Image 1.** Western blot analysis of extracts from MDA-MB-435 cells using Phospho-EIF4EBP1(T36) Polyclonal Antibody.