

AP0344

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## Phospho-eIF4EBP1-T36 Rabbit pAb

Catalog No.: AP0344

### Basic Information

**Observed MW**

20kDa

**Calculated MW**

13kDa

**Category**

Polyclonal Antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

### 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 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.

### Recommended Dilutions

WB 1:500 - 1:2000

### Immunogen Information

**Gene ID**

1978

**Swiss Prot**

Q13541

**Immunogen**

A synthetic phosphorylated peptide around T36 of human eIF4EBP1 (NP\_004086.1).

**Synonyms**

BP-1; 4EBP1; 4E-BP1; PHAS-I; Phospho-eIF4EBP1-T36

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

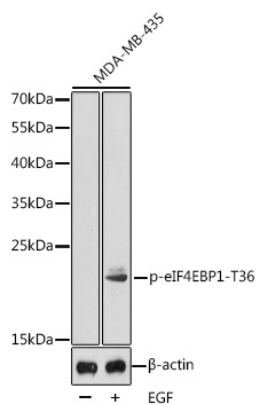
Affinity purification

**Storage**

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

## Validation Data



Western blot analysis of lysates from MDA-MB-435 cells, using Phospho-eIF4EBP1-T36 Rabbit pAb (AP0344).

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.