

# Phospho-eIF4EBP1-T45 Rabbit pAb

Catalog No.: AP0219

## Basic Information

### Observed MW

18kDa

### Calculated MW

13kDa

### Category

Primary antibody

### Applications

WB

### Cross-Reactivity

Human

## 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

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

BP-1; 4EBP1; 4E-BP1; PHAS-I; Phospho-eIF4EBP1-T45

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

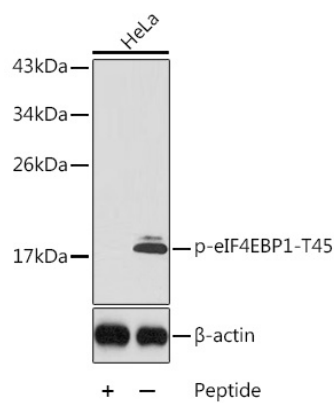
Affinity purification

### Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# Validation Data



Western blot analysis of lysates from HeLa cells using Phospho-eIF4EBP1-T45 Rabbit pAb (AP0219).  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% BSA.