

# EIF4EBP1 Antibody



PACO21123

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## Product Information

**Size:**

100ul(100ug)

**Reactivity:**

Human, Mouse, Rat

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:500-1:2000,  
IHC:1:50-1:200

**Protein Background:**

Translation repressor protein 4E-BP1 (also known as PHAS-1) inhibits cap-dependent translation by binding to the translation initiation factor eIF4E. Hyperphosphorylation of 4E-BP1 disrupts this interaction and results in activation of cap-dependent translation. Both the PI3 kinase/Akt pathway and FRAP/mTOR kinase regulate 4E-BP1 activity. Multiple 4E-BP1 residues are phosphorylated in vivo. While phosphorylation by FRAP/mTOR at Thr37 and Thr46 does not prevent the binding of 4E-BP1 to eIF4E, it is thought to prime 4E-BP1 for subsequent phosphorylation at Ser65 and Thr70.

**Gene ID:**

EIF4EBP1

**Uniprot**

Q13541

**Synonyms:**

EIF4EBP1;4E-BP1;4EBP1; BP-1; MGC4316; PHAS-I

**Immunogen:**

Recombinant protein of human EIF4EBP1.

**Storage:**

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of K562 cell lysate , using EIF4EBP1 antibody.

