EIF4EBP1 Antibody



PACO21123

Product Information

Size:

100ul(100ug)

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

lgG

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 elF4E. 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 elF4E, 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

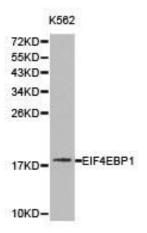
Immunogen:

Recombinant protein of human EIF4EBP1.

Storage:

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

Product Images



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