

Anti-EIF4EBP1 / 4EBP1 Antibody (aa35-84)
Rabbit Anti Mouse Polyclonal Antibody
Catalog # ALS18068

Specification

Anti-EIF4EBP1 / 4EBP1 Antibody (aa35-84) - Product Information

Application	WB, IHC-P, E
Primary Accession	Q13541
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	12580

Anti-EIF4EBP1 / 4EBP1 Antibody (aa35-84) - Additional Information

Gene ID 1978

Alias Symbol EIF4EBP1
Other Names
EIF4EBP1, 4E-BP1, 4EBP1, BP-1, PHAS-I, EIF4E-binding protein 1

Target/Specificity

4E-BP1 Antibody detects endogenous levels of total 4E-BP1 protein.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-EIF4EBP1 / 4EBP1 Antibody (aa35-84) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-EIF4EBP1 / 4EBP1 Antibody (aa35-84) - Protein Information

Name EIF4EBP1

Function

Repressor of translation initiation that regulates EIF4E activity by preventing its assembly into the eIF4F complex: hypophosphorylated form competes with EIF4G1/EIF4G3 and strongly binds to EIF4E, leading to repress translation. In contrast, hyperphosphorylated form dissociates from EIF4E, allowing interaction between EIF4G1/EIF4G3 and EIF4E, leading to initiation of translation. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways.

Cellular Location

Cytoplasm. Nucleus. Note=Localization to the nucleus is unaffected by phosphorylation status.
{ECO:0000250|UniProtKB:Q60876}

Anti-EIF4EBP1 / 4EBP1 Antibody (aa35-84) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-EIF4EBP1 / 4EBP1 Antibody (aa35-84) - Images