

**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	<a href="#">Q13541</a>
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**