

**4E-BP1 Polyclonal Antibody**  
Catalog # AP68201**Specification**

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**4E-BP1 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q13541</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**4E-BP1 Polyclonal Antibody - Additional Information****Gene ID** 1978**Other Names**

EIF4EBP1; Eukaryotic translation initiation factor 4E-binding protein 1; 4E-BP1; eIF4E-binding protein 1; Phosphorylated heat- and acid-stable protein regulated by insulin 1; PHAS-I

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**4E-BP1 Polyclonal Antibody - 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**

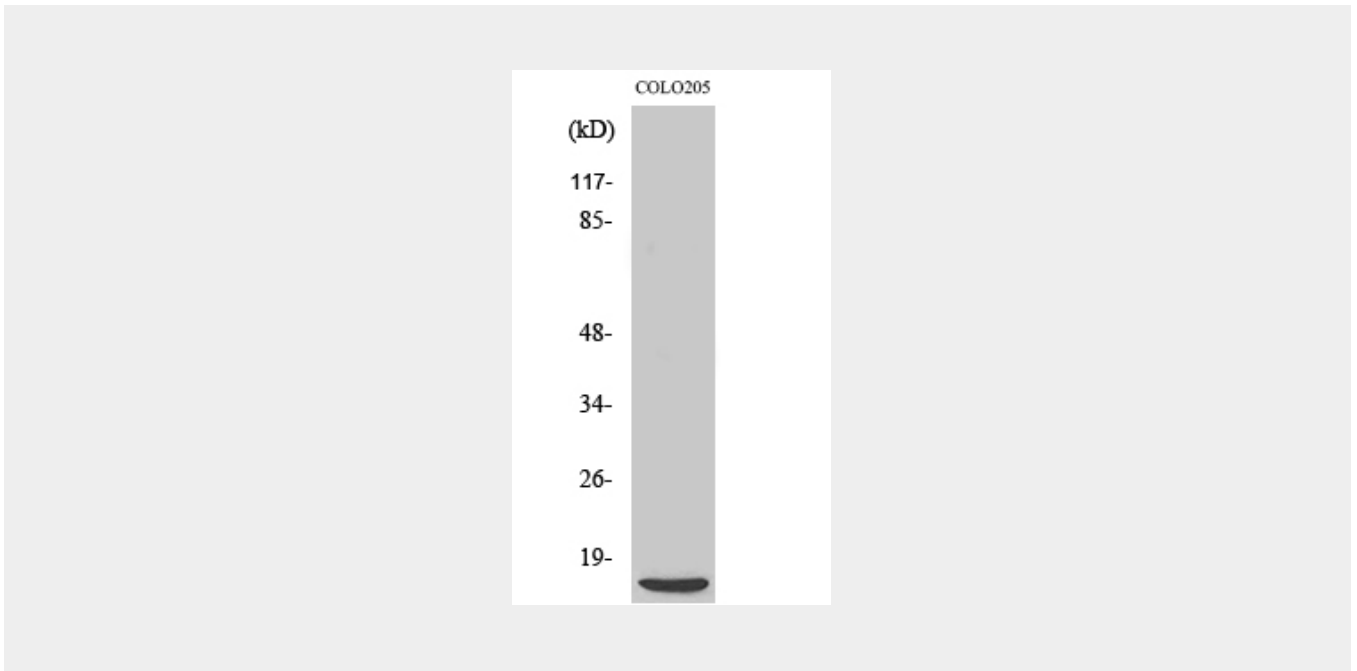
Cytoplasm. Nucleus. Note=Localization to the nucleus is unaffected by phosphorylation status.  
{ECO:0000250|UniProtKB:Q60876}

**4E-BP1 Polyclonal Antibody - 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](#)

#### **4E-BP1 Polyclonal Antibody - Images**



#### **4E-BP1 Polyclonal Antibody - Background**

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