

**4E BP1 Rabbit mAb**  
Catalog # AP76850**Specification**

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**4E BP1 Rabbit mAb - Product Information**

Application	WB, IHC, IP
Primary Accession	<a href="#">Q13541</a>
Reactivity	Human, Mouse, Rat, Hamster
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	12580

**4E BP1 Rabbit mAb - Additional Information****Gene ID** 1978**Other Names**  
EIF4EBP1**Dilution**  
WB~~1/500-1/1000  
IHC~~1/50-1/100  
IP~~1/20**Format**  
Liquid**4E BP1 Rabbit mAb - 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 Rabbit mAb - 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 Rabbit mAb - Images



