

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

4E BP1 Rabbit mAb - Product Information

Application	WB, IHC, IP
Primary Accession	Q13541
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



