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Phospho-eIF4EBP1 (T70) Antibody
Rabbit mAb
Catalog # AP93258

Specification

Phospho-eIF4EBP1 (T70) Antibody - Product Information

Application	**WB**
Primary Accession	Q13541
Clonality	**Monoclonal**
Other Names	
4EBP1; eIF4E binding protein 1; Eif4ebp1; PHASI;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**12580 Da**

Phospho-eIF4EBP1 (T70) Antibody - Additional Information

Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human Phospho-eIF4EBP1 (T70)**
Description	**Regulates eIF4E activity by preventing its assembly into the eIF4F complex. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Phospho-eIF4EBP1 (T70) 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}

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Phospho-eIF4EBP1 (T70) 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 Cytomety
- Cell Culture

Phospho-eIF4EBP1 (T70) Antibody - Images