

## Anti-Phospho-eIF4EBP1 (T70) Rabbit Monoclonal Antibody Catalog # ABO16777

### Specification

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#### Anti-Phospho-eIF4EBP1 (T70) Rabbit Monoclonal Antibody - Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q13541</a> |
| Host              | Rabbit                 |
| Isotype           | Rabbit IgG             |
| Reactivity        | Human                  |
| Clonality         | Monoclonal             |
| Format            | Liquid                 |

#### Description

Anti-Phospho-eIF4EBP1 (T70) Rabbit Monoclonal Antibody . Tested in WB applications. This antibody reacts with Human.

#### Anti-Phospho-eIF4EBP1 (T70) Rabbit Monoclonal Antibody - Additional Information

Gene ID 1978

#### Other Names

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, EIF4EBP1

#### Application Details

WB 1:500-1:2000

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human Phospho-eIF4EBP1 (T70)

#### Purification

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

#### Anti-Phospho-eIF4EBP1 (T70) Rabbit Monoclonal 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

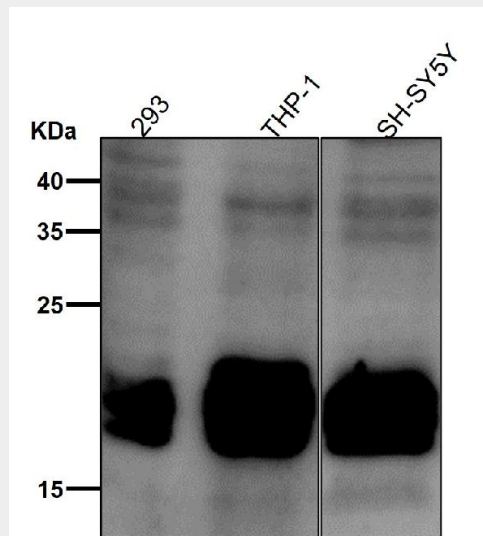
Cytoplasm. Nucleus. Note=Localization to the nucleus is unaffected by phosphorylation status.  
{ECO:0000250|UniProtKB:Q60876}

### Anti-Phospho-eIF4EBP1 (T70) Rabbit Monoclonal 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](#)

### Anti-Phospho-eIF4EBP1 (T70) Rabbit Monoclonal Antibody - Images



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.