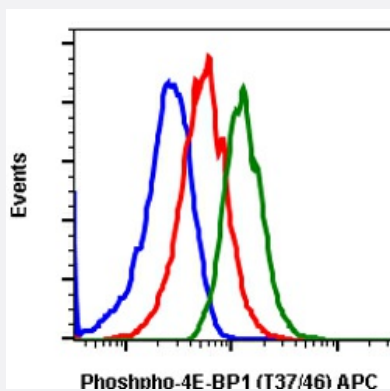


RecomAb™

# EIF4EBP1 recombinant monoclonal antibody, clone 4EB1T37T46-A5 (APC)

Catalog # RAB02901      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of Jurkat cells treated with LY294002 and unstained as negative control (blue) or treated with LY294002 and stained (red) or treated with TPA and stained (green) using phospho-4E-BP1 (Thr37/Thr46) antibody, 4EB1T37T46-A5 APC conjugate.

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human EIF4EBP1.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Thr37/46 of human phospho 4E-BP1
Reactivity	Human
Form	Liquid
Purification	Protein A+G
Isotype	Rabbit IgG1k
Conjugation Note	APC

<b>Recommend Usage</b>	Flow Cytometry The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	1X PBS, 0.09% Sodium azide, 0.2% BSA
<b>Storage Instruction</b>	Store at 4°C. Do not freeze.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Flow Cytometry

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## Gene Info — EIF4EBP1

<b>Entrez GeneID</b>	<a href="#">1978</a>
<b>Protein Accession#</b>	<a href="#">Q13541</a>
<b>Gene Name</b>	EIF4EBP1
<b>Gene Alias</b>	4E-BP1, 4EBP1, BP-1, MGC4316, PHAS-I
<b>Gene Description</b>	eukaryotic translation initiation factor 4E binding protein 1
<b>Omim ID</b>	<a href="#">602223</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (eIF4E), which is a limiting component of the multisubunit complex that recruits 40S ribosomal subunits to the 5' end of mRNAs. Interaction of this protein with eIF4E inhibits complex assembly and represses translation. This protein is phosphorylated in response to various signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation. [provided by RefSeq]
<b>Other Designations</b>	eIF4E-binding protein 1 phosphorylated heat- and acid-stable protein regulated by insulin 1

## Pathway

- [Acute myeloid leukemia](#)
- [ErbB signaling pathway](#)
- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Genetic Predisposition to Disease](#)
- [Multiple System Atrophy](#)
- [Obesity](#)