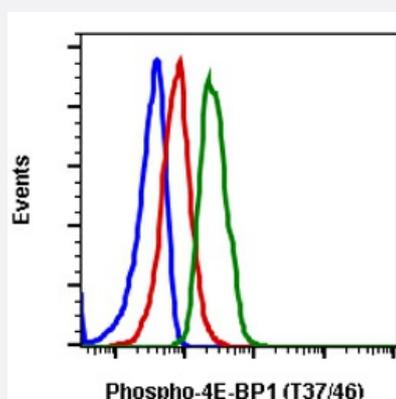


RecomAb™

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

Catalog # RAB02899 Size 100 Reactions

Applications



Flow Cytometry

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

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

Applications

- Flow Cytometry

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

Gene Info — EIF4EBP1

Entrez GeneID	1978
Protein Accession#	Q13541
Gene Name	EIF4EBP1
Gene Alias	4E-BP1, 4EBP1, BP-1, MGC4316, PHAS-I
Gene Description	eukaryotic translation initiation factor 4E binding protein 1
Omim ID	602223
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	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](#)