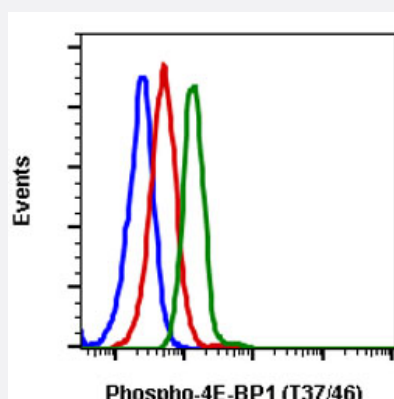


EIF4EBP1 (phospho T37/T46) monoclonal antibody, clone A5 (SureLight 488)

Catalog # MAB18773 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Jurkat cells with EIF4EBP1 (phospho T37/T46) monoclonal antibody, clone A5 (SureLight 488) (Cat # MAB18773). Unstained LY294002 treated cells as negative control (blue) or stained and treated with LY294002 (red) or with TPA (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human EIF4EBP1.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding T37/T46 of human EIF4EBP1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Conjugation	SureLight 488
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — EIF4EBP1

Entrez GeneID	1978
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](#)