



4E-BP1 (phospho Thr69) Monoclonal Antibody

Catalog No	BYmab-03509
Isotype	IgG
Reactivity	Mouse;Rat
Applications	WB
Gene Name	EIF4EBP1
Protein Name	Eukaryotic translation initiation factor 4E-binding protein 1
Immunogen	The antiserum was produced against synthesized peptide derived from mouse 4E-BP1 around the phosphorylation site of Thr69. AA range:35-84
Specificity	Phospho-4E-BP1 (T69) Monoclonal Antibody detects endogenous levels of 4E-BP1 protein only when phosphorylated at T69.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EIF4EBP1; 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
Observed Band	12kD
Cell Pathway	
Tissue Specificity	
Function	
Background	EIF4EBP1 encodes one member of a family of translation repressor proteins. The eukaryotic translation initiation factor 4E binding protein 1 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

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signals including UV irradiation and insulin signaling, resulting in its dissociation from eIF4E and activation of mRNA translation.

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

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网址: www.njbybio.com

官方热线: 025-5229-8998

监督电话: 15950492658