

Anti-Phospho-4EBP1 (Thr69) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 12 kDa.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Applications

Application:	ELISA,IF,IHC-P,WB
Recommended	WB: 1:500-2000; IHC-P: 1:100-300; ELISA: 1:20000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized phosphopeptide: mouse 4E-BP1 around the phosphorylation site of Thr69. AA range:35-84
Antigen Species:	mouse
Uniprot ID:	Q13541
Synonyms:	p-4EBP1 (T69);4EBP1 (p-Thr69);p-4EBP1 (Thr69);4EBP1 (p-T69)

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

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