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Recombinant Phospho-4E-BP1 (Thr37/46)) Monoclonal Antibody

catalog number: AN301307L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human; Mouse; Rat

Immunogen A synthetic peptide corresponding to residues around (Thr37/46) of Human

Phospho-4E-BP1

 Host
 Rabbit

 Isotype
 IgG,κ

 Clone
 B1070

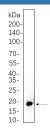
 Purification
 Protein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB 1:2000-1:10000

Data



Western Blot with Recombinant Phospho-4E-BP1 (Thr37/46)

Monoclonal Antibody at dilution of 1:1000 dilution. Lane A:

Hela whole cell lysate.

Observed-MW:15-20 kDa

Calculated-MW:13 kDa

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

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.