







4E-BP1 Monoclonal Antibody

YP-mAb-03667
IgG
Human;Mouse;Rat;Sheep
WB
EIF4EBP1
Eukaryotic translation initiation factor 4E-binding protein 1
The antiserum was produced against synthesized peptide derived from human 4E-BP1. AA range:13-62
4E-BP1 Monoclonal Antibody detects endogenous levels of 4E-BP1 protein.
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Monoclonal, Mouse,IgG
The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
WB 1:500-1:2000
1 mg/ml
≥90%
-20°C/1 year
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
18kD
nucleoplasm,cytoplasm,cytosol,protein complex,
Colon,Epithelium,Lung,Placenta,Platelet,
function:Regulates eIF4E activity by preventing its assembly into the eIF4F complex. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase pathway.,PTM:Phosphorylated on serine and threonine residues in response to insulin, EGF and PDGF. Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the eIF4E-binding protein family.,subunit:Nonphosphorylated EIF4EBP1 competes with EIF4G1/EIF4G3 to



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Background

eukaryotic translation initiation factor 4E binding protein 1(EIF4EBP1) Homo sapiens ___ This gene encodes one member of a family of translation repressor proteins. The protein directly interacts with eukaryotic translation initiation factor 4E (elF4E), 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 elF4E 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 elF4E and activation of mRNA translation. [provided by RefSeq, Jul 2008],

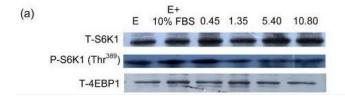
matters needing attention

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



Western Blot analysis of various cells using 4E-BP1 Monoclonal Antibody