



4E-BP2 mouse mAb

Catalog No	YP-Ab-04499
Isotype	IgG
Reactivity	Transfected
Applications	WB
Gene Name	eif4ebp2
Protein Name	
Immunogen	Recombinant protein of human 4E-BP2.
Specificity	Transfected Only.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb dilution 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	4E-BP2 ; 4EBP2 ; 4EBP2_HUMAN ; eIF4E binding protein 2 ; eIF4E-binding protein 2 ; Eif4ebp2 ; Eukaryotic translation initiation factor 4E binding protein 1 ; Eukaryotic translation initiation factor 4E-binding protein 2 ; PHASII ; phosphorylated, heat and acid stable regulated by insulin protein II.
Observed Band	15-20kD
Cell Pathway	intracellular,cytoplasm,
Tissue Specificity	Lung,Placenta,Uterus,
Function	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.,similarity:Belongs to the eIF4E-binding protein family.,subunit:Nonphosphorylated EIF4EBP2 interacts with EIF4E.,
Background	eukaryotic translation initiation factor 4E binding protein 2(EIF4EBP2) Homo sapiens This gene encodes a member of the eukaryotic translation initiation factor 4E binding protein family. The gene products of this family bind eIF4E and inhibit translation initiation. However, insulin and other growth factors can release this inhibition via a phosphorylation-dependent disruption of their binding to eIF4E.



Regulation of protein production through these gene products have been implicated in cell proliferation, cell differentiation and viral infection. [provided by RefSeq, Oct 2008],

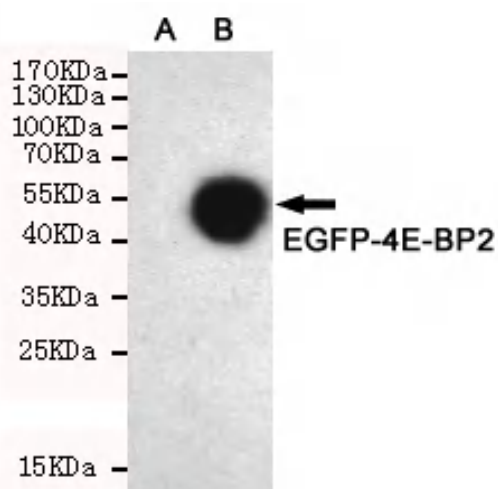
matters needing attention

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 detection of 4E-BP2 in CHO-K1 cell lysate(A)and CHO-K1 transfected by EGFP-4E-BP2 (B)cell lysate using 4E-BP2 mouse mAb (1:1000 diluted).