

## 4E-BP2 mouse mAb

<b>Catalog No :</b>	YM1454
<b>Reactivity :</b>	Transfected
<b>Applications :</b>	WB
<b>Target :</b>	4E-BP2
<b>Fields :</b>	>>Longevity regulating pathway - multiple species
<b>Gene Name :</b>	eif4ebp2
<b>Human Gene Id :</b>	1979
<b>Human Swiss Prot No :</b>	Q13542
<b>Mouse Swiss Prot No :</b>	P70445
<b>Immunogen :</b>	Recombinant protein of human 4E-BP2.
<b>Specificity :</b>	Transfected Only.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	wb dilution 1:1000
<b>Purification :</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	15-20kD

**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],

**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.,

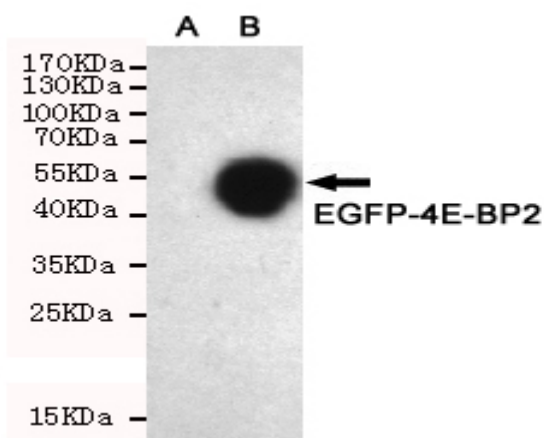
**Subcellular Location :**

intracellular,cytoplasm,

**Expression :**

Lung,Placenta,Uterus,

## 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).