



## Rabbit Anti-eI4EBP2 antibody

SL3839R

<b>Product Name:</b>	eI4EBP2
<b>Chinese Name:</b>	eIF4EBinding protein2抗体
<b>Alias:</b>	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.Full=Eukaryotic translation initiation factor 4E-binding protein 2; 4E-BP2; eIF4E-binding protein 2; 4EBP2 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	17/20kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human 4E-BP2:21-120/120
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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:**

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.

**Subunit:**

Nonphosphorylated EIF4EBP2 interacts with EIF4E.

**Post-translational modifications:**

Phosphorylated on serine and threonine residues in response to insulin, EGF and PDGF.

**Similarity:**

Belongs to the eIF4E-binding protein family.

**SWISS:**

Q13542

**Gene ID:**

1979

**Database links:**

[Entrez Gene: 1979](#)Human

[Entrez Gene: 13688](#)Mouse

[Entrez Gene: 361845](#)Rat

[Omim: 602224](#)Human

[SwissProt: Q13542](#)Human

[SwissProt: P70445](#)Mouse

[Unigene: 621200](#)Human

[Unigene: 730236](#)Human

[Unigene: 259516](#)Mouse

[Unigene: 24129](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

