

## 4E-BP1 (phospho Ser65) Polyclonal Antibody

Catalog No: #14119



Package Size: #14119-1 50ul #14119-2 100ul

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## Description

Product Name	4E-BP1 (phospho Ser65) Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-4E-BP1 (S64) Polyclonal Antibody detects endogenous levels of 4E-BP1 protein only when phosphorylated at S64.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human 4E-BP1 around the phosphorylation site of Ser64. AA range:30-79
Other Names	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
Accession No.	Swiss Prot:Q13541GeneID:1978
Uniprot	Q13541
GeneID	1978
SDS-PAGE MW	15
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

## Application Details

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

## 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 (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. [provided by RefSeq, Jul 2008],

Note: This product is for in vitro research use only