

eIF4EBP1 Rabbit mAb

Catalog No.: A19045 **Recombinant** **8 Publications**

Basic Information

Observed MW

18kDa

Calculated MW

13kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Rat

CloneNo number

ARC0374

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Contact

 | www.abclonal.com

Background

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.

Immunogen Information

Gene ID	Swiss Prot
1978	Q13541

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human eIF4EBP1 (Q13541).

Synonyms

BP-1; 4EBP1; 4E-BP1; PHAS-I; eIF4EBP1

Product Information

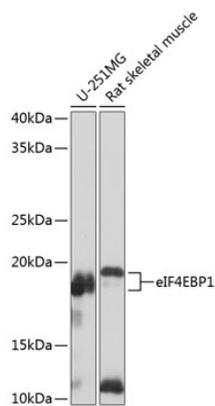
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

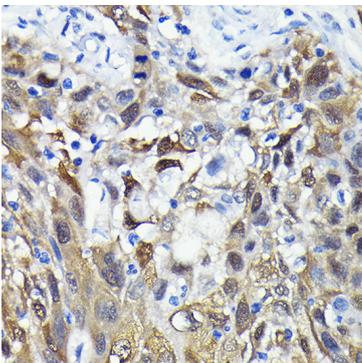
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using eIF4EBP1 Rabbit mAb (A19045) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



Immunohistochemistry analysis of eIF4EBP1 in paraffin-embedded human lung cancer using eIF4EBP1 Rabbit mAb (A19045) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.