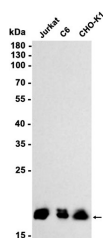


Recombinant 4E-BP1/EIF4EBP1 Monoclonal Antibody

catalog number: AN300047P

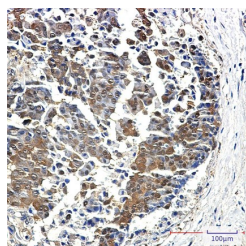
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human 4E-BP1 / EIF4EBP1 protein
Host	Rabbit
Isotype	IgG
Clone	A1157
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS
Applications	
Recommended Dilution	
WB:	1:1000; IHC-P: 1:100-1:200; ICC/IF: 1:200-1:500; FC: 1:20-1:50; IP: 1:20
Data	

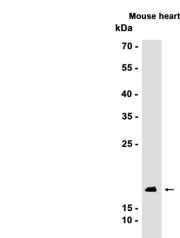


Western blot analysis of extracts from Jurkat, C6, CHO-K1 cells at 1:1000. Western blot analysis of extracts from Mouse heart tissue at 1:1000.

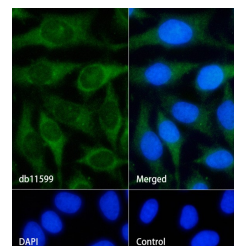
Observed-MW:15-20 kDa
Calculated-MW:13 kDa



Immunohistochemical analysis of paraffin-embedded human breast cancer .



Observed-MW:15-20 kDa
Calculated-MW:13 kDa



Immunofluorescence analysis of HeLa cells labelling 4E BP1. The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (shown in green). Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag
Background	

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Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.3

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]