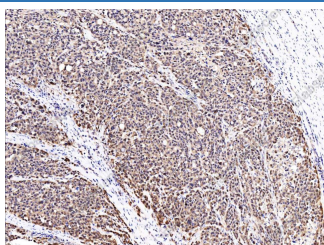


Recombinant 4E-BP1/EIF4EBP1 Monoclonal Antibody

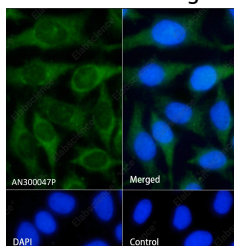
catalog number: **AN300047P**

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

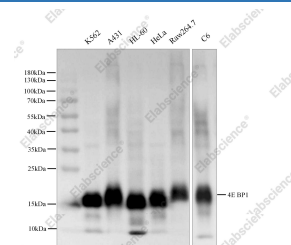
Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human 4E-BP1 / EIF4EBP1 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110038
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS
Applications	
Recommended Dilution	
WB:	1:1000; IHC-P: 1:100-1:200; ICC/IF: 1:200-1:500; FC: 1:20-1:50; IP: 1:20
Data	



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue sections using 4E-BP1/EIF4EBP1 Antibody (AN300047P) at a dilution of 1:150 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Immunofluorescence analysis of HeLa cells labelling 4E-BP1. Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.



Western blot analysis of K-562, A431, HL-60, HeLa, RAW264.7 and C6 cell lysates using 4E-BP1/EIF4EBP1 Antibody (AN300047P) at a dilution of 1:1000.

Observed-MW: 15-20 kDa

Calculated-MW: 13 kDa

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

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Rev. V1.6

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]