



4E-BP1 Polyclonal Antibody

Cat #: ABP50552

Size: 30µl /100µl /200µl

Product Information

	Product Name: 4E-BP1 Polyclonal Antibody		
	Applications: WB , IHC-P, ELISA		Isotype: Rabbit IgG
	Reactivity: Mouse, Rat, Monkey		
REF	Catalog Number: ABP50552	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: EIF4EBP1 encodes one member (eukaryotic translation initiation factor 4E binding protein 1) 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.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:5000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



Fig. Western Blot analysis of various cells using 4E-BP1 Polyclonal Antibody diluted at 1:500.

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