

## CABP1382

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### Product Information

<b>Product SKU:</b>	CABP1382	<b>Gene ID:</b>	1978	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC56857	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Rat

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### Additional Information

<b>Observed MW:</b>	15-20kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	13kDa	<b>Isotype:</b>	IgG

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### Immunogen Information

**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.

**Recommended Dilution:** WB, 1:500 - 1:1000

**Synonyms:** BP-1; 4EBP1; 4E-BP1; PHAS-I; Phospho-eIF4EBP1-T37

**Purification Method:** Affinity purification

**Immunogen:** A synthetic phosphorylated peptide around T37 of human EIF4EBP1.

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.