

CAB21386

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## Product Information

<b>Product SKU:</b> CAB21386	<b>Gene ID:</b> 1978	<b>Size:</b> 20uL, 100uL
<b>Clone No:</b> -	<b>Host Species:</b> Rabbit	<b>Reactivity:</b> Human

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## Additional Information

<b>Observed MW:</b> Refer to figures	<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 - 1:2000 IF/ICC, 1:50 - 1:200

**Synonyms:** BP-1; 4EBP1; 4E-BP1; PHAS-I; P1

**Purification Method:** Affinity purification

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 50-118 of human eIF4EBP1. (NP\_004086.1).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.