

Product datasheet for **TA420083**

Phospho-EIF4EBP1 Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB,1:2000 - 1:20000 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | A synthetic phosphorylated peptide around S65 of human Phospho-EIF4EBP1-S65 (NP_004086.1). |
| Formulation: | Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3. |
| Concentration: | lot specific |
| Purification: | Affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 13kDa - Observed MW: 15-20kDa |
| Gene Name: | eukaryotic translation initiation factor 4E binding protein 1 |
| Database Link: | Entrez Gene 1978 Human Q13541 |
| 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. |
| Synonyms: | 4E-BP1; 4EBP1; BP-1; PHAS-I |



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