# Product Data Sheet
# 4E-BP1 Rabbit Monoclonal Antibody

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| **Product name:** | 4E-BP1 Rabbit Monoclonal Antibody |
| **Cat number:** | MABN21279 |
| **Conjugate:** | Unconjugated |
| **Size:** | 100µL |
| **Clone:** | Monoclonal |
| **Concentration:** | 1mg/ml |
| **Host:** | Rabbit |
| **Isotype:** | IgG,Kappa |
| **Immunogen:** | A synthetic peptide corresponding to target protein |
| **Reactivity:** | Human,Mouse,Rat, |
| **Applications:** | WB 1:2000-1:10000,IHC 1:200-1:1000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200 |
| **Molecular Weight:** | CalcuLated MW:13kD;Observed MW:17kD |
| **Purification:** | Protein A |
| **Form:** | Liquid |
| **Buffer:** | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA |
| **Storage:** | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles. |
| **Synonyms:** | EIF4EBP1;Eukaryotic translation initiation factor 4E-binding protein 1;4E-BP1;eIF4E-binding protein 1;Phosphorylated heat- and acid-stable protein reguLated by insuLin 1;PHAS-I |
| **Background:** | Cell localization:Nucleus.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], |