# Recombinant 4E-BP1/EIF4EBP1 Monoclonal Antibody

## Description

This Recombinant 4E-BP1/EIF4EBP1 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Product Information

| | |
|---|---|
| **SKU:** | RMEA0052 |
| **Contents:** | Recombinant 4E-BP1/EIF4EBP1 Monoclonal Antibody (50 µL, 100 µL)<br>Bradford Reagent: 1 vial (2ml) |
| **Clone:** | C110038 |
| **Applications:** | WB, IHC-P, ICC/IF, FC, IP |
| **Reactivity:** | Human, Mouse, Rat |

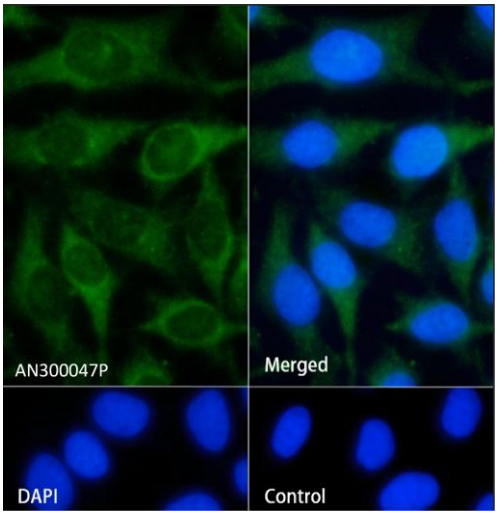
## Antibody Data

| | |
|---|---|
| **Uniprot ID:** | Q13541 |
| **Size:** | 50 µL, 100 µL |
| **Host Species:** | Rabbit |
| **Isotype:** | Rabbit IgG |
| **Conjugation:** | Unconjugated |
| **Buffer:** | 0.2 µm filtered solution in PBS |

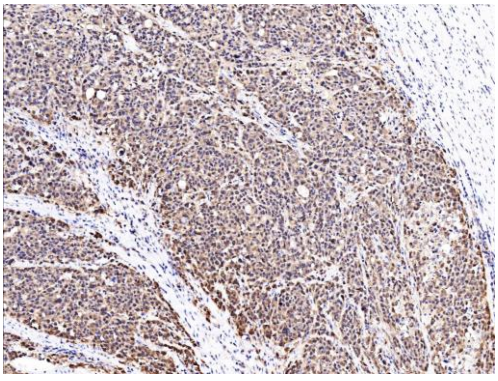
## Preparation & Storage

| | |
|---|---|
| **Storage:** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. Store Bradford Reagent at Room Temperature for 1 Year. |
| **Shipping:** | Gel Pack |
| **Preparation:** | WB: 1:1000 ; IHC-P: 1:100-1:200 ; ICC/IF: 1:200-1:500 ; FC: 1:20-1:50 ; IP: 1:20 |
| **Protein Quantification (Optional):** | To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol |
| **Notes:** | Centrifuge before opening to ensure complete recovery of vial contents. |

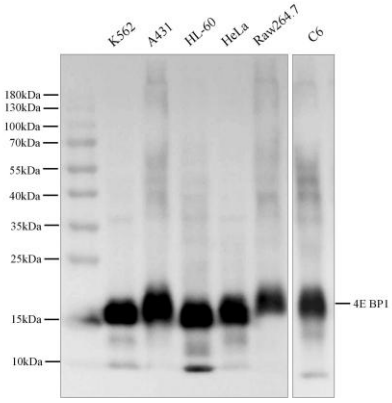
## Validation Data




Immunofluorescence analysis of HeLa cells labelling 4E BP1. Nuclear DNA was labeled in blue with DAPI. Control: Secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue sections using 4E- BP1/EIF4EBP1 Antibody (RMEA0052) at a dilution of 1:150 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.




Western blot analysis of K-562,A431,HL-60,HeLa,RAW264.7 and C6 cell lysates using 4E-BP1/EIF4EBP1 Antibody (RMEA0052) at a dilution of 1:1000. Observed-MW:15-20 kDa Calculated-MW:13 kDa

**Manufacturers Statement**

This final kit system is assembled and quality-released by Assay Genie Limited.