

4E BP1 Rabbit mAb

Catalog No: #52264



Package Size: #52264-1 50ul #52264-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

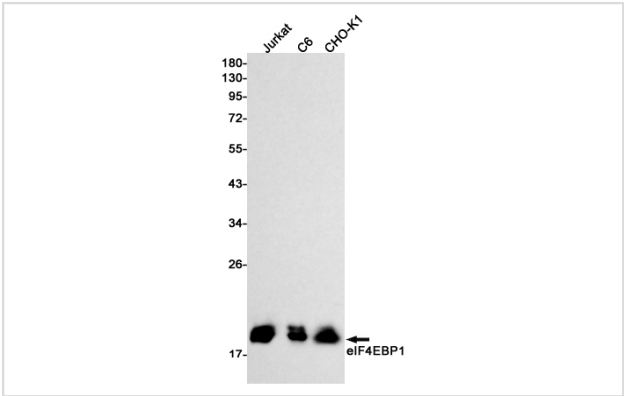
Description

| | |
|-----------------------|--|
| Product Name | 4E BP1 Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | S06-8E6 |
| Isotype | Rabbit IgG |
| Purification | Affinity Purified |
| Applications | WB IHC |
| Species Reactivity | Human,Mouse,Rat |
| Immunogen Description | A synthetic peptide of human eIF4EBP1 |
| Conjugates | Unconjugated |
| Modification | Unmodification |
| Other Names | BP-1; 4EBP1; 4E-BP1; PHAS-I |
| Accession No. | Swiss-Prot:Q13541GeneID:1978 |
| Uniprot | Q13541 |
| GeneID | 1978 |
| Calculated MW | Calculated MW: 13 kDa; Observed MW: 15-20 kDa |
| Concentration | 0.3 mg/ml |
| Formulation | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

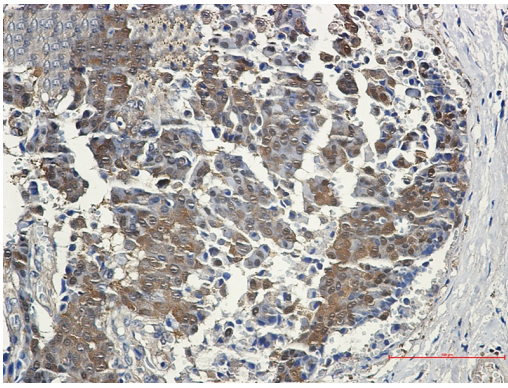
Application Details

WB: 1/1000; IHC: 1/50;

Images



Western blot detection of eIF4EBP1 in Jurkat,C6,CHO-K1 cell lysates using eIF4EBP1 Rabbit mAb(1:1000 diluted).Predicted band size:13kDa.Observed band size:15-20kDa.



Immunohistochemistry of eIF4EBP1 in paraffin-embedded Human breast cancer tissue using eIF4EBP1 Rabbit mAb at dilution 1/50

Background

Swiss-Prot Acc.Q13541.Repressor of translation initiation that regulates EIF4E activity by preventing its assembly into the eIF4F complex: hypophosphorylated form competes with EIF4G1/EIF4G3 and strongly binds to EIF4E, leading to repress translation. In contrast, hyperphosphorylated form dissociates from EIF4E, allowing interaction between EIF4G1/EIF4G3 and EIF4E, leading to initiation of translation. Mediates the regulation of protein translation by hormones, growth factors and other stimuli that signal through the MAP kinase and mTORC1 pathways.

Note: This product is for in vitro research use only