



eIF3ζ Monoclonal Antibody

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| Catalog No | BYmab-03846 |
| Isotype | IgG |
| Reactivity | Human;Mouse |
| Applications | WB |
| Gene Name | EIF3D |
| Protein Name | Eukaryotic translation initiation factor 3 subunit D |
| Immunogen | The antiserum was produced against synthesized peptide derived from human EIF3D. AA range:101-150 |
| Specificity | eIF3 ζ Monoclonal Antibody detects endogenous levels of eIF3 ζ protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | EIF3D; EIF3S7; Eukaryotic translation initiation factor 3 subunit D; eIF3d; Eukaryotic translation initiation factor 3 subunit 7; eIF-3-zeta; eIF3 p66 |
| Observed Band | 64kD |
| Cell Pathway | Cytoplasm . |
| Tissue Specificity | Brain,Liver,Lung,Muscle,Platelet,Skin,Uterus, |
| Function | function:Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.,mass spectrometry: PubMed:17322308,mass spectrometry: PubMed:18599441,PTM:Phosphorylated |

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upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the eIF-3 subunit D family.,subunit:Component of the eukaryotic translation initiation

Background

Eukaryotic translation initiation factor-3 (eIF3), the largest of the eIFs, is a multiprotein complex composed of at least ten nonidentical subunits. The complex binds to the 40S ribosome and helps maintain the 40S and 60S ribosomal subunits in a dissociated state. It is also thought to play a role in the formation of the 40S initiation complex by interacting with the ternary complex of eIF2/GTP/methionyl-tRNA, and by promoting mRNA binding. The protein encoded by this gene is the major RNA binding subunit of the eIF3 complex. [provided by RefSeq, Jul 2008],

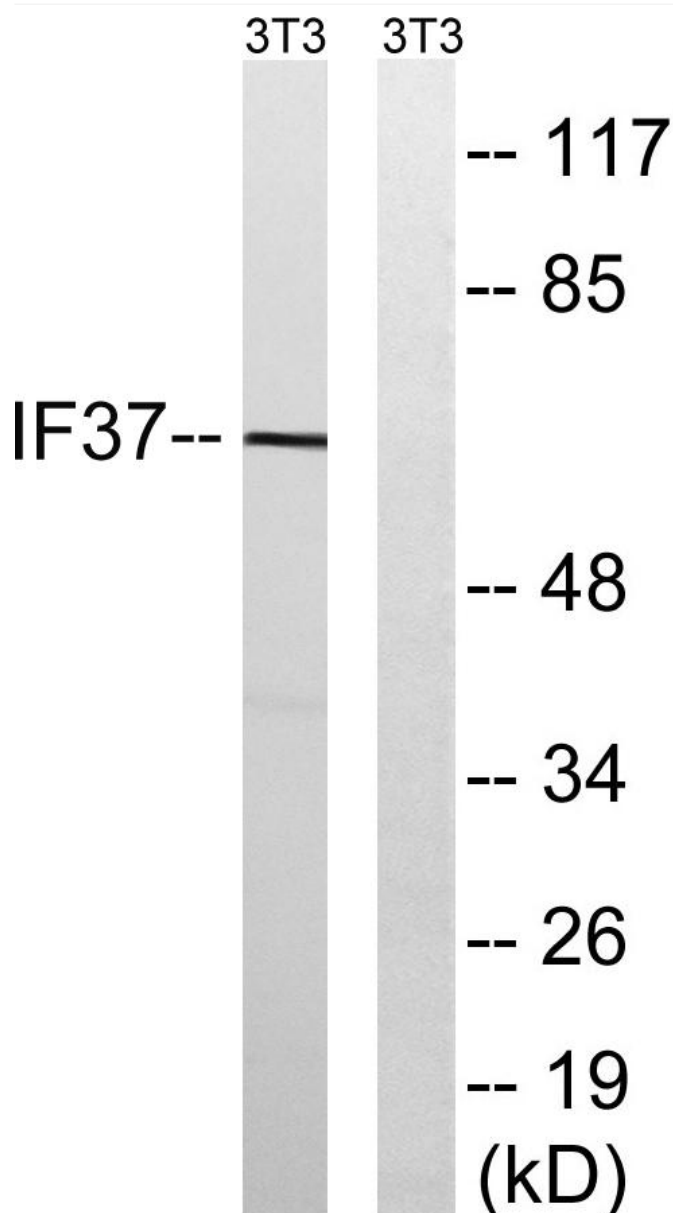
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using eIF3 ζ Monoclonal Antibody

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