



# eIF3L Monoclonal Antibody

<b>Catalog No</b>	BYmab-03843
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	EIF3L
<b>Protein Name</b>	Eukaryotic translation initiation factor 3 subunit L
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human IF3EI. AA range:1-50
<b>Specificity</b>	eIF3L Monoclonal Antibody detects endogenous levels of eIF3L protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	EIF3L; EIF3EIP; EIF3S6IP; HSPC021; HSPC025; MSTP005; Eukaryotic translation initiation factor 3 subunit L; eIF3I; Eukaryotic translation initiation factor 3 subunit 6-interacting protein; Eukaryotic translation initiation factor 3 subunit E
<b>Observed Band</b>	67kD
<b>Cell Pathway</b>	Cytoplasm .
<b>Tissue Specificity</b>	Adipose tissue,Aorta,Brain,Cervix,Colon,Ovary,Thyro
<b>Function</b>	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:

**Nanjing BYabscience technology Co.,Ltd**



PubMed:17322308,mass spectrometry: PubMed:18599441,similarity:Belongs to the eIF-3 subunit L family.,subunit:Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is composed of 13 subunits:

## Background

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,similarity:Belongs to the eIF-3 subunit L family.,subunit:Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is composed of 13 subunits: EIF3A, EIF3B, EIF3C, EIF3D, EIF3E, EIF3F, EIF3G, EIF3H, EIF3I, EIF3J, EIF3K, EIF3L and EIF3M. The eIF-3 complex appears to include 3 stable modules: module A is composed of EIF3A, EIF3B, EIF3G and EIF3I; module B is composed of EIF3F, EIF3H, and EIF3M; and module C is composed of EIF3C, EIF3D, EIF3E, EIF3K and EIF3L. EIF3C of module C binds EIF3B of module A and EIF3H of module B, thereby linking the three modules. EIF3J is a labile subunit that binds to the eIF-3 complex via EIF3B. The eIF-3 complex interacts with RPS6KB1 under conditions of nutrient depletion. Mitogenic stimulation leads to binding and activation of a complex composed of FRAP1 and RAPTOR, leading to phosphorylation and release of RPS6KB1 and binding of EIF4B to eIF-3.,

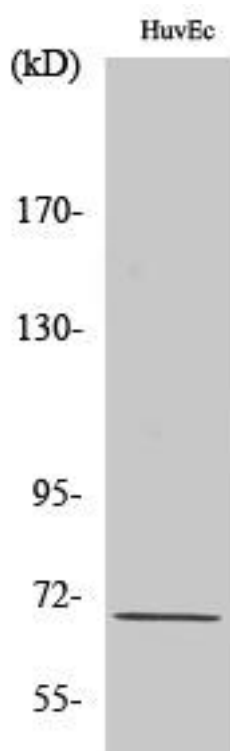
## matters needing attention

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 eIF3L Monoclonal Antibody

**Nanjing BYabscience technology Co.,Ltd**