

## Anti-eIF3e Rabbit Monoclonal Antibody Catalog # ABO15937

### Specification

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#### Anti-eIF3e Rabbit Monoclonal Antibody - Product Information

Application	WB, IF, ICC
Primary Accession	<a href="#">P60228</a>
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-eIF3e Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

#### Anti-eIF3e Rabbit Monoclonal Antibody - Additional Information

Gene ID 3646

#### Other Names

Eukaryotic translation initiation factor 3 subunit E {ECO:0000255|HAMAP-Rule:MF\_03004}, eIF3e {ECO:0000255|HAMAP-Rule:MF\_03004}, Eukaryotic translation initiation factor 3 subunit 6 {ECO:0000255|HAMAP-Rule:MF\_03004}, Viral integration site protein INT-6 homolog, eIF-3 p48 {ECO:0000255|HAMAP-Rule:MF\_03004}, EIF3E {ECO:0000255|HAMAP-Rule:MF\_03004}

#### Calculated MW

52 kDa KDa

#### Application Details

WB 1:500-1:2000<br>ICC/IF 1:50-1:200

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human eIF3e

#### Purification

Affinity-chromatography

#### Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

#### Anti-eIF3e Rabbit Monoclonal Antibody - Protein Information

**Name** EIF3E {ECO:0000255|HAMAP-Rule:MF\_03004}

### Function

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:<a href="http://www.uniprot.org/citations/17581632" target="\_blank">17581632</a>, PubMed:<a href="http://www.uniprot.org/citations/25849773" target="\_blank">25849773</a>, PubMed:<a href="http://www.uniprot.org/citations/27462815" target="\_blank">27462815</a>). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA<sub>i</sub> and eIF-5 to form the 43S pre-initiation 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 post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed:<a href="http://www.uniprot.org/citations/17581632" target="\_blank">17581632</a>). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:<a href="http://www.uniprot.org/citations/25849773" target="\_blank">25849773</a>). Required for nonsense-mediated mRNA decay (NMD); may act in conjunction with UPF2 to divert mRNAs from translation to the NMD pathway (PubMed:<a href="http://www.uniprot.org/citations/17468741" target="\_blank">17468741</a>). May interact with MCM7 and EPAS1 and regulate the proteasome-mediated degradation of these proteins (PubMed:<a href="http://www.uniprot.org/citations/17310990" target="\_blank">17310990</a>, PubMed:<a href="http://www.uniprot.org/citations/17324924" target="\_blank">17324924</a>).

### Cellular Location

Cytoplasm. Nucleus, PML body.

### Tissue Location

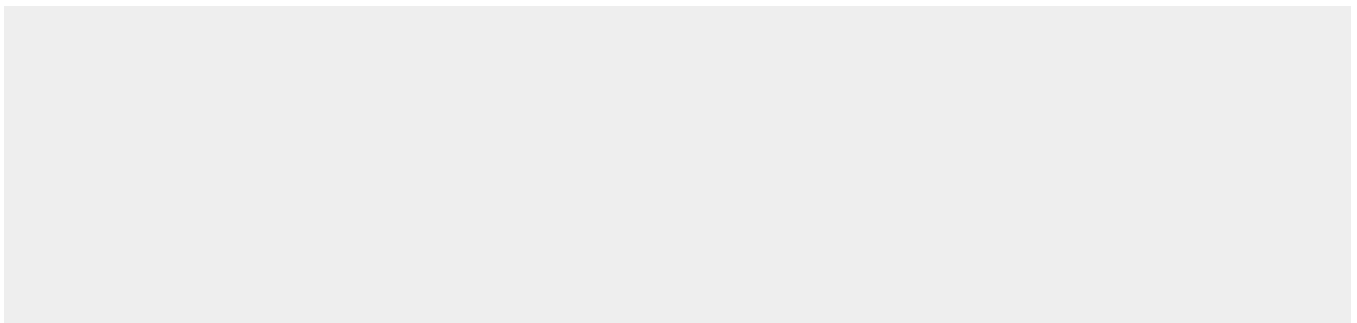
Ubiquitously expressed. Expressed at highest levels in appendix, lymph, pancreas, skeletal muscle, spleen and thymus

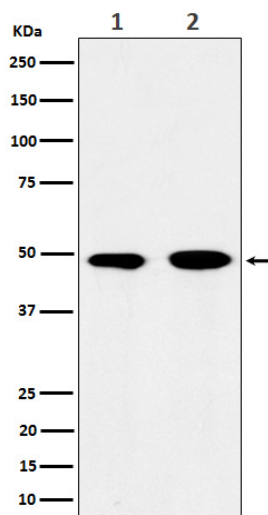
## Anti-eIF3e Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-eIF3e Rabbit Monoclonal Antibody - Images





Western blot analysis of eIF3e expression in (1) 293T cell lysate; (2) Jurkat cell lysate.