

**EIF3E Rabbit mAb**  
**Catalog # AP78418****Specification**

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**EIF3E Rabbit mAb - Product Information**

Application	WB, ICC
Primary Accession	<a href="#">P60228</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	52221

**EIF3E Rabbit mAb - Additional Information****Gene ID** 3646**Other Names**  
EIF3E**Dilution**  
WB~~1/500-1/1000  
ICC~~N/A**Format**  
10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.**Storage**  
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**EIF3E Rabbit mAb - 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

### eIF3E Rabbit mAb - 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](#)

### eIF3E Rabbit mAb - Images

