

**EIF3E Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3393a

**Specification**

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**EIF3E Antibody (C-Term) - Product Information**

Application	WB
Primary Accession	<a href="#">P60228</a>
Other Accession	<a href="#">NP_001559.1</a> , <a href="#">3646</a>
Reactivity	Human
Predicted	Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	52221

**EIF3E Antibody (C-Term) - 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}

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

EIF3E Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**EIF3E Antibody (C-Term) - 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/25849773" target="\_blank">25849773</a>, PubMed:<a href="http://www.uniprot.org/citations/25849773" target="\_blank">25849773</a>)

<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<sup>i</sup> 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: <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: <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: <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: <http://www.uniprot.org/citations/17310990> target="\_blank">17310990</a>, PubMed: <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

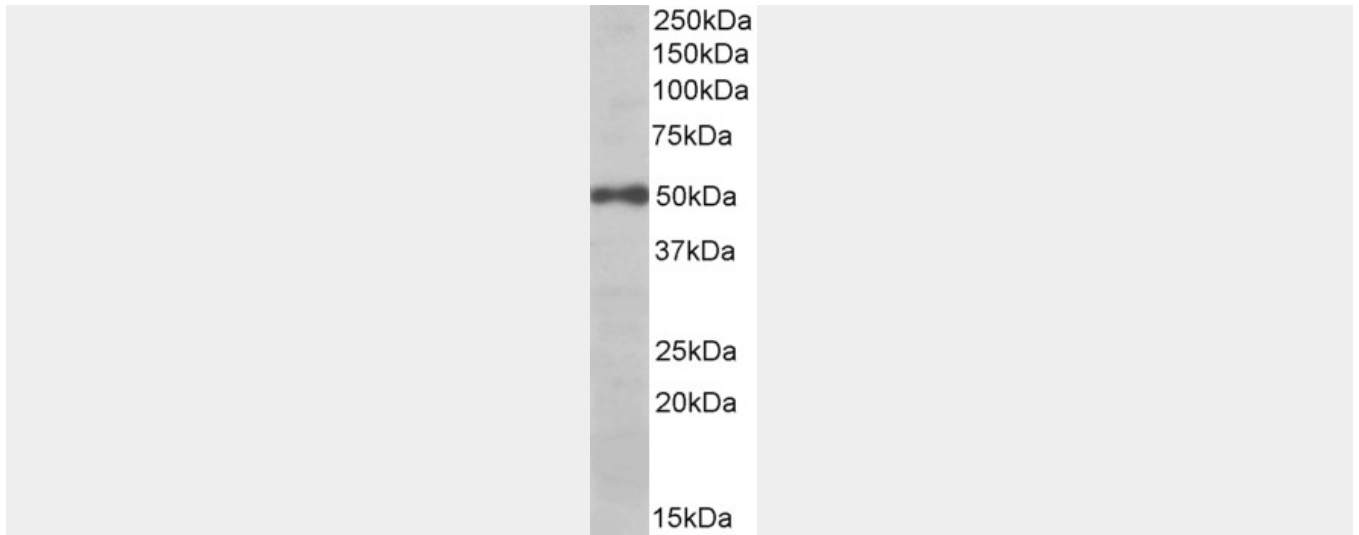
#### EIF3E Antibody (C-Term) - Protocols

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 Antibody (C-Term) - Images





AF3393a (0.03  $\mu\text{g}/\text{ml}$ ) staining of Daudi lysate (35  $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### **EIF3E Antibody (C-Term) - References**

Mass spectrometry reveals modularity and a complete subunit interaction map of the eukaryotic translation factor eIF3. Zhou M, Sandercock AM, Fraser CS, Ridlova G, Stephens E, Schenauer MR, Yokoi-Fong T, Barsky D, Leary JA, Hershey JW, Doudna JA, Robinson CV, Proceedings of the National Academy of Sciences of the United States of America 2008 Nov 105 (47): 18139-44. PMID: 18599441