

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

Application	WB
Primary Accession	P60228
Other Accession	NP_001559.1 , 3646
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:17581632, PubMed:25849773, PubMed:25849773, PubMed:25849773)

<http://www.uniprot.org/citations/27462815> target="_blank">27462815). 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 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). 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). 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). 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, PubMed: <http://www.uniprot.org/citations/17324924> target="_blank">17324924).

Cellular Location

Cytoplasm. Nucleus, PML body.

Tissue Location

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

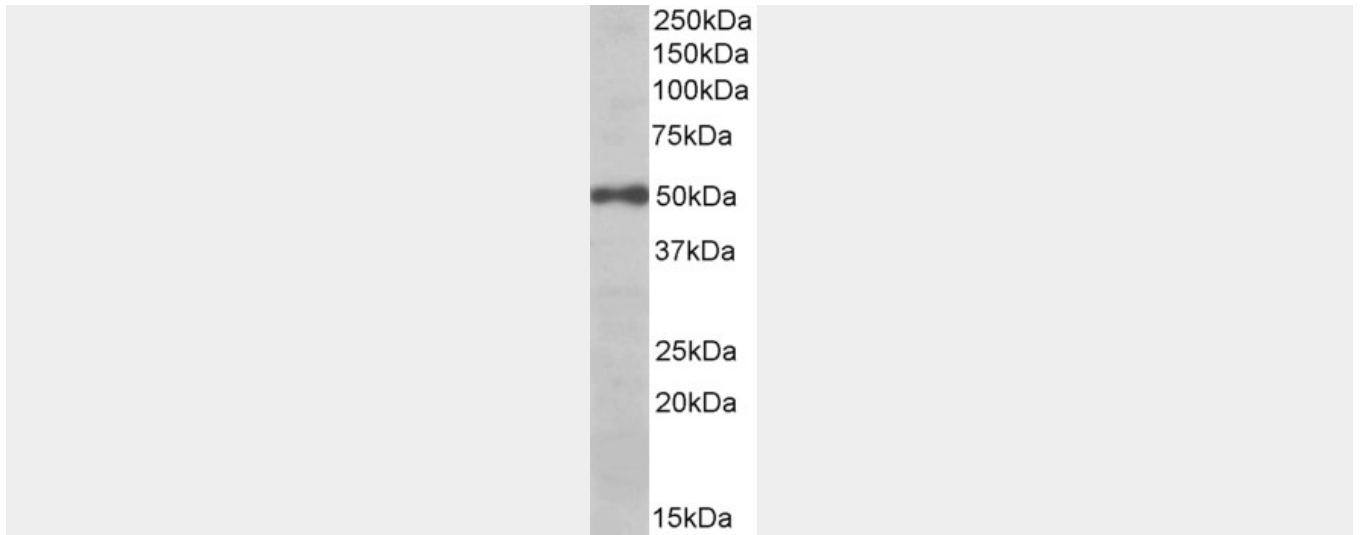
EIF3E Antibody (C-Term) - Protocols

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 µg/ml) staining of Daudi lysate (35 µg 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