

# EIF3J antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15212

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">O75822</a>
<b>Other Accession</b>	<a href="#">NM_003758</a> , <a href="#">NP_003749</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	29062

## Additional Information

<b>Gene ID</b>	8669
<b>Alias Symbol</b>	EIF3S1, eIF3-alpha, eIF3-p35
<b>Other Names</b>	Eukaryotic translation initiation factor 3 subunit J {ECO:0000255 HAMAP-Rule:MF_03009}, eIF3j {ECO:0000255 HAMAP-Rule:MF_03009}, Eukaryotic translation initiation factor 3 subunit 1 {ECO:0000255 HAMAP-Rule:MF_03009}, eIF-3-alpha {ECO:0000255 HAMAP-Rule:MF_03009}, eIF3 p35 {ECO:0000255 HAMAP-Rule:MF_03009}, EIF3J {ECO:0000255 HAMAP-Rule:MF_03009}
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-EIF3J antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	EIF3J antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	EIF3J {ECO:0000255 HAMAP-Rule:MF_03009}
<b>Function</b>	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="#">25849773</a> , PubMed: <a href="#">27462815</a> ). 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. 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:[25849773](#)).

#### Cellular Location

Cytoplasm {ECO:0000255 | HAMAP-Rule:MF\_03009}.

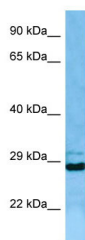
## References

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Block K.L.,et al.J. Biol. Chem. 273:31901-31908(1998).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Li W.B.,et al.Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.  
Zody M.C.,et al.Nature 440:671-675(2006).  
Bienvenut W.V.,et al.Submitted (MAR-2008) to UniProtKB.

## Images

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Host: Rabbit  
Target Name: EIF3J  
Antibody Dilution: 1.0µg/ml  
Sample Tissue: Jurkat cell lysate  
EIF3J is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.