

**EIF3J antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15212****Specification****EIF3J antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O75822</a>
Other Accession	<a href="#">NM_003758</a> , <a href="#">NP_003749</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29kDa kDa

**EIF3J antibody - N-terminal region - Additional Information****Gene ID** 8669**Alias Symbol** EIF3S1, eIF3-alpha, eIF3-p35**Other Names**

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}

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

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.

**Precautions**

EIF3J antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**EIF3J antibody - N-terminal region - Protein Information****Name** EIF3J {ECO:0000255|HAMAP-Rule:MF\_03009}**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/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<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. 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>).

#### Cellular Location

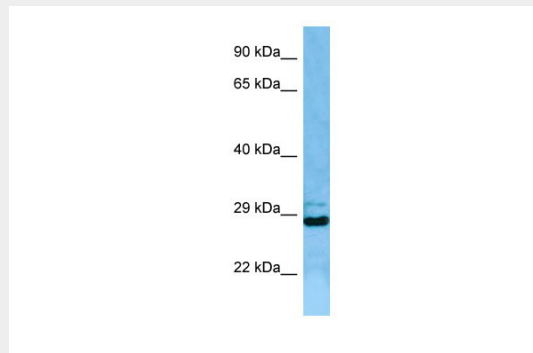
Cytoplasm {ECO:0000255|HAMAP-Rule:MF\_03009}.

#### EIF3J antibody - N-terminal region - 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](#)

#### EIF3J antibody - N-terminal region - Images



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

#### EIF3J antibody - N-terminal region - References

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.