

**EIF3I antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15163****Specification**

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**EIF3I antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">O13347</a>
Other Accession	<a href="#">NM_003757</a> , <a href="#">NP_003748</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36kDa KDa

**EIF3I antibody - middle region - Additional Information****Gene ID** 8668**Alias Symbol** EIF3S2, PRO2242, TRIP-1, TRIP1, eIF3-beta, eIF3-p36**Other Names**

Eukaryotic translation initiation factor 3 subunit 1 {ECO:0000255|HAMAP-Rule:MF\_03008}, eIF3i {ECO:0000255|HAMAP-Rule:MF\_03008}, Eukaryotic translation initiation factor 3 subunit 2 {ECO:0000255|HAMAP-Rule:MF\_03008}, TGF-beta receptor-interacting protein 1, TRIP-1, eIF-3-beta {ECO:0000255|HAMAP-Rule:MF\_03008}, eIF3 p36 {ECO:0000255|HAMAP-Rule:MF\_03008}, EIF3I {ECO:0000255|HAMAP-Rule:MF\_03008}

**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-EIF3I 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**

EIF3I antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**EIF3I antibody - middle region - Protein Information****Name** EIF3I {ECO:0000255|HAMAP-Rule:MF\_03008}**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:&lt;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<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:<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>).

### Cellular Location

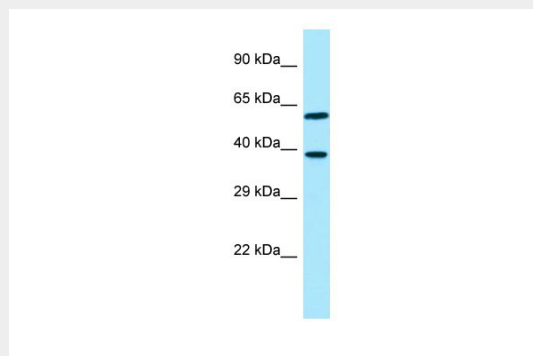
Cytoplasm {ECO:0000255|HAMAP-Rule:MF\_03008}.

### EIF3I antibody - middle 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](#)

### EIF3I antibody - middle region - Images



WB Suggested Anti-EIF3I Antibody Titration: 1.0 µg/ml

Positive Control: HeLa Whole Cell EIF3I is supported by BioGPS gene expression data to be expressed in HeLa

### EIF3I antibody - middle region - References

- Asano K., et al. J. Biol. Chem. 272:1101-1109(1997).  
Chen R.H., et al. Nature 377:548-552(1995).  
Lubec G., et al. Submitted (MAR-2007) to UniProtKB.  
Mayeur G.L., et al. Eur. J. Biochem. 270:4133-4139(2003).

Fraser C.S., et al. J. Biol. Chem. 279:8946-8956(2004).