10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# EIF3I antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI15163

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q13347 |
| **Other Accession** | NM_003757, NP_003748 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 36502 |

## Additional Information

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|---|---|
| **Gene ID** | 8668 |
| **Alias Symbol** | EIF3S2, PRO2242, TRIP-1, TRIP1, eIF3-beta, eIF3-p36 |
| **Other Names** | Eukaryotic translation initiation factor 3 subunit I {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. |

## Protein Information

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|---|---|
| **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:17581632, PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of |

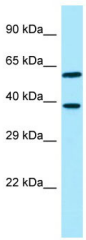
eIF-1, eIF-1A, eIF-2:GTP:methionyl- tRNAi and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed: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:25849773).

**Cellular Location** Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03008}.

## 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).


## Images




WB Suggested Anti-EIF3I Antibody Titration: 1.0 µg/ml
Positive Control: Hela Whole CellEIF3I is supported by BioGPS gene expression data to be expressed in HeLa


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