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# EIF3F antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14751

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | O00303 |
| **Other Accession** | NM_003754, NP_003745 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Horse, Bovine |
| **Predicted** | Human, Mouse, Rat, Rabbit, Chicken, Dog, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 37564 |

## Additional Information

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|---|---|
| **Gene ID** | 8665 |
| **Alias Symbol** | EIF3S5, eIF3-p47 |
| **Other Names** | Eukaryotic translation initiation factor 3 subunit F {ECO:0000255\|HAMAP-Rule:MF_03005}, eIF3f {ECO:0000255\|HAMAP-Rule:MF_03005}, Deubiquitinating enzyme eIF3f, 3.4.19.12, Eukaryotic translation initiation factor 3 subunit 5 {ECO:0000255\|HAMAP-Rule:MF_03005}, eIF-3-epsilon {ECO:0000255\|HAMAP-Rule:MF_03005}, eIF3 p47 {ECO:0000255\|HAMAP-Rule:MF_03005}, EIF3F {ECO:0000255\|HAMAP-Rule:MF_03005} |
| **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-EIF3F 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** | EIF3F antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | EIF3F {ECO:0000255\|HAMAP-Rule:MF_03005} |
| **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 |

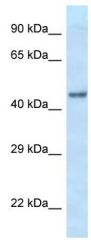
eIF-1, eIF-1A, eIF-2:GTP:methionyl- tRNAi and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal 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_03005}.

## References


Asano K.,et al.J. Biol. Chem. 272:27042-27052(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Shi J.,et al.J. Biol. Chem. 278:5062-5071(2003).


## Images




WB Suggested Anti-EIF3F Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart


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