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

EIF3F antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14751

Specification

EIF3F antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	O00303
Other Accession	NM_003754, NP_003745
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Chicken, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**39kDa KDa**

EIF3F antibody - C-terminal region - Additional Information

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.

EIF3F antibody - C-terminal region - Protein Information

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:<a

href="http://www.uniprot.org/citations/25849773" target="_blank">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).

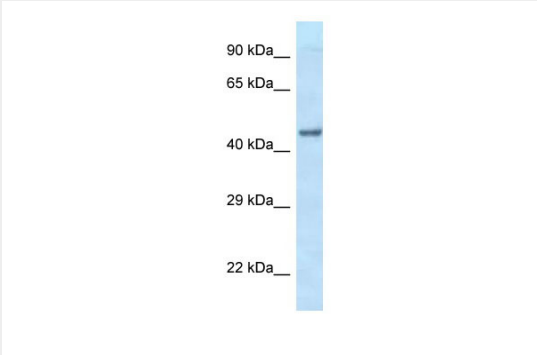
Cellular Location
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03005}.

EIF3F antibody - C-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 Cytomety
- Cell Culture

EIF3F antibody - C-terminal region - Images



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

EIF3F antibody - C-terminal region - 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).