

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

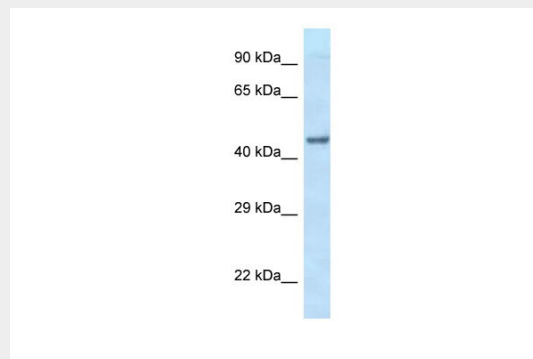
EIF3F antibody - C-terminal region - Additional Information

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.



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).

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: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- tRNA_i 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 Cytometry](#)
- [Cell Culture](#)