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EIF3F antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14751

Product Information

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

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

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

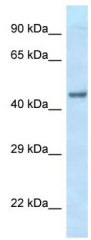
eIF-1, eIF-1A, eIF-2:GTP:methionyl- tRNAi and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal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