

EIF3I antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI15163

Product Information

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

Gene ID	8668
Alias Symbol Other Names	EIF3S2, PRO2242, TRIP-1, TRIP1, eIF3-beta, eIF3-p36 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

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

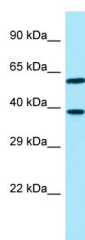
eIF-1, eIF-1A, eIF-2:GTP:methionyl- tRNAⁱ and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal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