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EIF3I antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15162

Product Information

Application	WB, IHC, IP
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	EIF3S2, PRO2242, TRIP-1, TRIP1, eIF3-beta, eIF3-p36
Other Names	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 - C-terminal 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

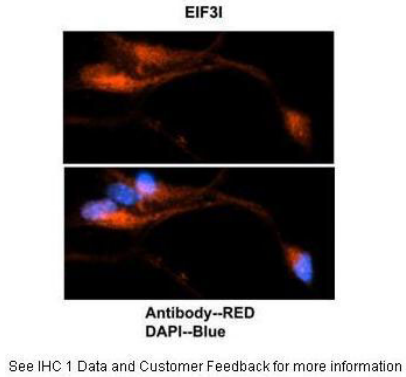
eIF-1, eIF-1A, eIF-2:GTP:methionyl- tRNAi and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal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

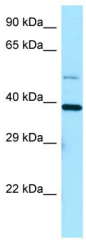
Asano K.,et al.J. Biol. Chem. 272:1101-1109(1997).
Chen R.H.,et al.Nature 377:548-552(1995).
Lubec G.,et al.Submitted (MAR-2007) to UniProtKB.
Mayeur G.L.,et al.Eur. J. Biochem. 270:4133-4139(2003).
Fraser C.S.,et al.J. Biol. Chem. 279:8946-8956(2004).

Images

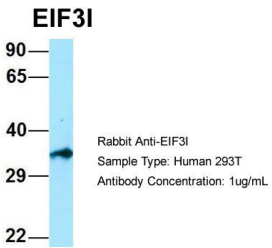


See IHC 1 Data and Customer Feedback for more information

Sample Type : Mouse brain stem cells
Primary Antibody Dilution : 1:500
Secondary Antibody : Goat anti-rabbit Alexa-Fluor 594
Secondary Antibody Dilution : 1:1000 Color/Signal Descriptions : EIF3I: Red DAPI:Blue
Gene Name : EIF3I Submitted by : Dr. Yuzhi Chen, University of Arkansas for Medical Science



EIF3I antibody - C-terminal region (AI15162) validated by WB using HepG2 cell lysate
at 1.0µg/ml.



Host:Rabbit
Target Name:EIF3I
Sample Tissue:Human 293T
Antibody Dilution: 1.0µg/ml

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