10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

EIF3L Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19817a

Specification

EIF3L Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y262
Other Accession	Q8AVJ0, Q8QZY1, Q5F428, Q3ZCK1, NP_057175.1
Reactivity	**Human**
Predicted	**Bovine, Chicken, Mouse, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**66727**
Antigen Region	**12-40**

EIF3L Antibody (N-term) - Additional Information

Gene ID 51386

Other Names
Eukaryotic translation initiation factor 3 subunit L {ECO:0000255|HAMAP-Rule:MF_03011}, eIF3l {ECO:0000255|HAMAP-Rule:MF_03011}, Eukaryotic translation initiation factor 3 subunit 6-interacting protein {ECO:0000255|HAMAP-Rule:MF_03011}, Eukaryotic translation initiation factor 3 subunit E-interacting protein {ECO:0000255|HAMAP-Rule:MF_03011}, EIF3L {ECO:0000255|HAMAP-Rule:MF_03011}

Target/Specificity
This EIF3L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-40 amino acids from the N-terminal region of human EIF3L.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
EIF3L Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

EIF3L Antibody (N-term) - Protein Information

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Name EIF3L {ECO:0000255|HAMAP-Rule:MF_03011}

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).

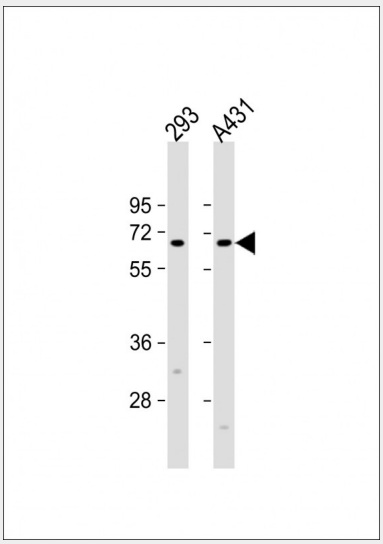
Cellular Location
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03011}.

EIF3L Antibody (N-term) - 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

EIF3L Antibody (N-term) - Images



All lanes : Anti-EIF3L Antibody (N-term) at 1:1000 dilution Lane 1: 293 whole cell lysate Lane 2: A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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EIF3L Antibody (N-term) - Background

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. 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 preinitiation 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 postermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

EIF3L Antibody (N-term) - References

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