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Anti-EIF3L Antibody
Rabbit polyclonal antibody to EIF3L
Catalog # AP60275

Specification

Anti-EIF3L Antibody - Product Information

Application	**WB, IF/IC, IHC**
Primary Accession	Q9Y262
Other Accession	Q8QZY1
Reactivity	**Human, Mouse, Rat, Monkey, Pig, Chicken, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**66727**

Anti-EIF3L Antibody - Additional Information

Gene ID 51386

Other Names
EIF3EIP; EIF3S6IP; Eukaryotic translation initiation factor 3 subunit L; eIF3l; Eukaryotic translation initiation factor 3 subunit 6-interacting protein; Eukaryotic translation initiation factor 3 subunit E-interacting protein

Target/Specificity
Recognizes endogenous levels of EIF3L protein.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)
IF/IC~~N/A
IHC~~1:100~500

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-EIF3L Antibody - Protein Information

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:<a

href="http://www.uniprot.org/citations/27462815" target="_blank">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).

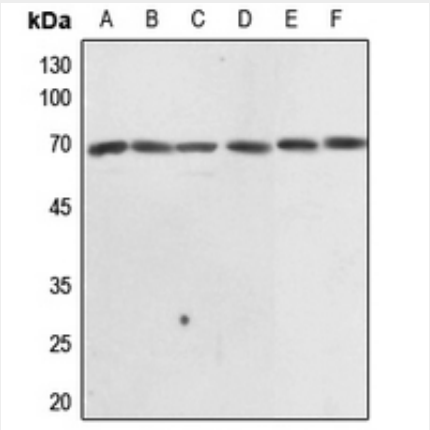
Cellular Location
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03011}.

Anti-EIF3L Antibody - 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

Anti-EIF3L Antibody - Images



Western blot analysis of EIF3L expression in HEK293T (A), Hela (B), HGC27 (C), mouse kidney (D), rat kidney (E), rat testis (F) whole cell lysates.

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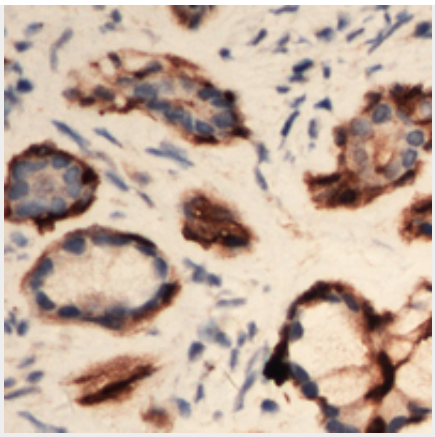
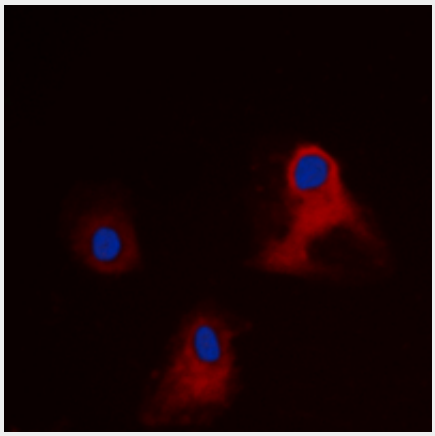


Immunohistochemical analysis of EIF3L staining in human Pancreas formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of EIF3L staining in HEK293 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-EIF3L Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human EIF3L. The exact sequence is proprietary.