

**EIF3H Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6638b****Specification**

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**EIF3H Antibody (C-term) - Product Information**

Application	WB, FC, IHC-P,E
Primary Accession	<a href="#">O15372</a>
Other Accession	<a href="#">Q5PPY6</a> , <a href="#">Q5ZLE6</a> , <a href="#">Q56JZ5</a>
Reactivity	Human, Mouse
Predicted	Bovine, Chicken, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39930
Antigen Region	234-263

**EIF3H Antibody (C-term) - Additional Information****Gene ID** 8667**Other Names**

Eukaryotic translation initiation factor 3 subunit H {ECO:0000255|HAMAP-Rule:MF\_03007}, eIF3h {ECO:0000255|HAMAP-Rule:MF\_03007}, Eukaryotic translation initiation factor 3 subunit 3 {ECO:0000255|HAMAP-Rule:MF\_03007}, eIF-3-gamma, eIF3 p40 subunit {ECO:0000255|HAMAP-Rule:MF\_03007}, EIF3H {ECO:0000255|HAMAP-Rule:MF\_03007}

**Target/Specificity**

This EIF3H antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 234-263 amino acids from the C-terminal region of human EIF3H.

**Dilution**

WB~~1:1000  
FC~~1:10~50  
IHC-P~~1:50~100  
E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**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**

EIF3H Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## EIF3H Antibody (C-term) - Protein Information

**Name** EIF3H {ECO:0000255|HAMAP-Rule:MF\_03007}

**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- tRNA<sup>i</sup> 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

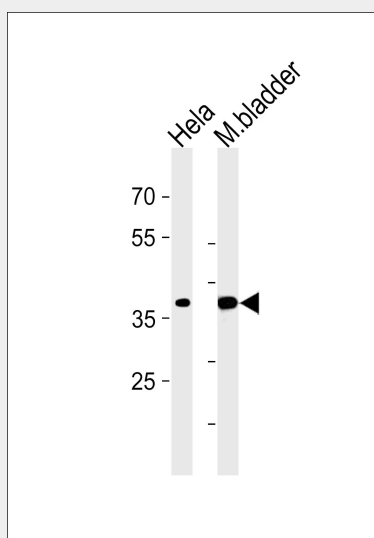
Cytoplasm {ECO:0000255|HAMAP-Rule:MF\_03007}.

## EIF3H Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

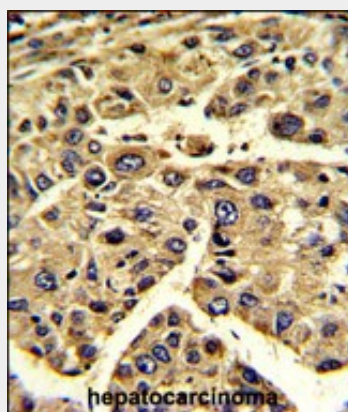
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## EIF3H Antibody (C-term) - Images

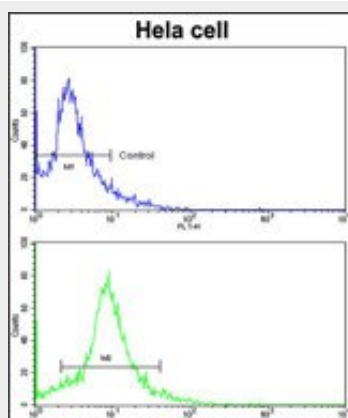


EIF3H Antibody (N-term) (Cat. #AP6638b) western blot analysis in HeLa cell line and mouse bladder tissue lysates (35ug/lane). This demonstrates the EIF3H antibody detected the EIF3H

protein (arrow).



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with EIF3H Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of hela cells using EIF3H Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### EIF3H Antibody (C-term) - Background

EIF3H is a 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-tRNA<sup>i</sup> 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 posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

### EIF3H Antibody (C-term) - References

Cappuzzo, F., J Thorac Oncol 4 (4), 472-478 (2009)  
Zhou, M., Proc. Natl. Acad. Sci. U.S.A. 105 (47), 18139-18144 (2008)