

**EIF3H Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6638b****Specification**

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**EIF3H Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O15372](#)**EIF3H Antibody (C-term) Blocking Peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP6638b](/products/AP6638b) was selected from the C-term region of human EIF3H. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**EIF3H Antibody (C-term) Blocking Peptide - 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](http://www.uniprot.org/citations/17581632), PubMed: [25849773](http://www.uniprot.org/citations/25849773), PubMed: [27462815](http://www.uniprot.org/citations/27462815)). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl- tRNA<sub>i</sub> 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:<a href="http://www.uniprot.org/citations/17581632" target="\_blank">17581632</a>). 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:<a href="http://www.uniprot.org/citations/25849773" target="\_blank">25849773</a>).

**Cellular Location**

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

**EIF3H Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**EIF3H Antibody (C-term) Blocking Peptide - Images****EIF3H Antibody (C-term) Blocking Peptide - 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<sub>i</sub> 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) Blocking Peptide - 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)