

EIF3H Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12900a**Specification**

EIF3H Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [O15372](#)**EIF3H Antibody (N-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}

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 (N-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, 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_i 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).

target="_blank">25849773).

Cellular Location

Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03007}.

EIF3H Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

EIF3H Antibody (N-term) Blocking peptide - Images**EIF3H Antibody (N-term) Blocking peptide - 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 posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

EIF3H Antibody (N-term) Blocking peptide - References

Kupfer, S.S., et al. Gastroenterology 139(5):1677-1685(2010)Hawken, S.J., et al. Hum. Genet. 128(1):89-101(2010)Cappuzzo, F., et al. J Thorac Oncol 4(4):472-478(2009)Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009)Zhou, M., et al. Proc. Natl. Acad. Sci. U.S.A. 105(47):18139-18144(2008)