

EIF3CL Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12609a**Specification**

EIF3CL Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q99613](#)**EIF3CL Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 8663**Other Names**

Eukaryotic translation initiation factor 3 subunit C {ECO:0000255|HAMAP-Rule:MF_03002}, eIF3c {ECO:0000255|HAMAP-Rule:MF_03002}, Eukaryotic translation initiation factor 3 subunit 8 {ECO:0000255|HAMAP-Rule:MF_03002}, eIF3 p110 {ECO:0000255|HAMAP-Rule:MF_03002}, EIF3C {ECO:0000255|HAMAP-Rule:MF_03002}

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.

EIF3CL Antibody (N-term) Blocking peptide - Protein Information**Name** EIF3C {ECO:0000255|HAMAP-Rule:MF_03002}**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_03002}.

EIF3CL Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

EIF3CL Antibody (N-term) Blocking peptide - Images

EIF3CL Antibody (N-term) Blocking peptide - Background

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EIF3CL Antibody (N-term) Blocking peptide - References

Imielinski, M., et al. Nat. Genet. 41(12):1335-1340(2009)Zhou, M., et al. Proc. Natl. Acad. Sci. U.S.A. 105(47):18139-18144(2008)Masutani, M., et al. EMBO J. 26(14):3373-3383(2007)Damoc, E., et al. Mol. Cell Proteomics 6(7):1135-1146(2007)Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)