

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

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**EIF3CL Antibody (N-term) Blocking peptide - Product Information**Primary 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:<a href="http://www.uniprot.org/citations/17581632" target="\_blank">17581632</a>, PubMed:<a href="http://www.uniprot.org/citations/25849773" target="\_blank">25849773</a>, PubMed:<a href="http://www.uniprot.org/citations/27462815" target="\_blank">27462815</a>). 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>).

target="\_blank">25849773</a>).

#### **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)