

GA17 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9088a**Specification**

GA17 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q7L2H7](#)**GA17 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10480**Other Names**

Eukaryotic translation initiation factor 3 subunit M {ECO:0000255|HAMAP-Rule:MF_03012}, eIF3m {ECO:0000255|HAMAP-Rule:MF_03012}, Fetal lung protein B5, hFL-B5, PCI domain-containing protein 1, EIF3M {ECO:0000255|HAMAP-Rule:MF_03012}, HFLB5, PCID1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9088a](/products/AP9088a) was selected from the N-term region of human GA17. 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.

GA17 Antibody (N-term) Blocking Peptide - Protein Information**Name** EIF3M {ECO:0000255|HAMAP-Rule:MF_03012}**Synonyms** HFLB5, PCID1**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: [17403899](http://www.uniprot.org/citations/17403899), 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-tRNAi 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:17403899). 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_03012}.

Tissue Location

Broadly expressed..

GA17 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GA17 Antibody (N-term) Blocking Peptide - Images**GA17 Antibody (N-term) Blocking Peptide - Background**

GA17 encodes a broadly expressed protein containing putative membrane fusion domains that acts as a receptor or coreceptor for entry of herpes simplex virus (HSV).

GA17 Antibody (N-term) Blocking Peptide - References

Chew,S.K., et.al., Nature 460 (7251), 123-127 (2009)Lasky-Su,J., et.al., Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1345-1354 (2008)