

**AGO1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6558a****Specification**

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**AGO1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9UL18](#)**AGO1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 26523**Other Names**

Protein argonaute-1, Argonaute1, hAgo1, Argonaute RISC catalytic component 1, Eukaryotic translation initiation factor 2C 1, eIF-2C 1, eIF2C 1, Putative RNA-binding protein Q99, AGO1, EIF2C1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6558a](/products/AP6558a) was selected from the N-term region of human AGO1. 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.

**AGO1 Antibody (N-term) Blocking Peptide - Protein Information****Name** AGO1**Synonyms** EIF2C1**Function**

Required for RNA-mediated gene silencing (RNAi). Binds to short RNAs such as microRNAs (miRNAs) or short interfering RNAs (siRNAs), and represses the translation of mRNAs which are complementary to them. Lacks endonuclease activity and does not appear to cleave target mRNAs. Also required for transcriptional gene silencing (TGS) of promoter regions which are complementary to bound short antigenic RNAs (agRNAs).

**Cellular Location**

Cytoplasm, P-body

**AGO1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**AGO1 Antibody (N-term) Blocking Peptide - Images****AGO1 Antibody (N-term) Blocking Peptide - Background**

AGO1 is a member of the Argonaute family of proteins which play a role in RNA interference. The protein is highly basic, and contains a PAZ domain and a PIWI domain. It may interact with dicer1 and play a role in short-interfering-RNA-mediated gene silencing.

**AGO1 Antibody (N-term) Blocking Peptide - References**

Weinmann,L., Cell 136 (3), 496-507 (2009)Horikawa,Y., Clin. Cancer Res. 14 (23), 7956-7962 (2008)