

**Mut-7 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1971b****Specification**

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**Mut-7 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P34607](#)

**Mut-7 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 176347

**Other Names**

Exonuclease mut-7, 31--, Exonuclease 3'-5' domain-containing protein 3 homolog, mut-7

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1971b](/product/products/AP1971b) was selected from the C-term region of human Mut-7. 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.

**Mut-7 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** mut-7

**Function**

Represses the transposition of Tc1, Tc3, Tc4, and Tc5, perhaps by degrading transposon-specific messages. Also affects sperm development, sensitivity to RNAi of mainly germline expressed genes, silencing of some germline transgenes, X chromosome loss, and is required for cosuppression (functional silencing of chromosomal loci induced by transgenes) and for silencing induced by antisense RNA oligomers.

**Mut-7 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **Mut-7 Antibody (C-term) Blocking Peptide - Images**

#### **Mut-7 Antibody (C-term) Blocking Peptide - Background**

Mut-7 represses the transposition of Tc1, Tc3, Tc4, and Tc5, perhaps by degrading transposon-specific messages. This protein also affects sperm development, sensitivity to RNAi of mainly germline expressed genes, silencing of some germline transgenes, X chromosome loss, and is required for cosuppression (functional silencing of chromosomal loci induced by transgenes) and for silencing induced by antisense RNA oligomers.

#### **Mut-7 Antibody (C-term) Blocking Peptide - References**

Topps, BB, et al. Nucleic Acids Res. 2005. 33(1):347-55. Ketting, R.F., et al. Cell 99:133-141(1999). Rizzon, C., et al. Genetics. 2003. 165(3):1127-35.