

**CDY1 Antibody (N-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP18948a

**Specification**

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**CDY1 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q9Y6F8](#)

**CDY1 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 253175;9085

**Other Names**

Testis-specific chromodomain protein Y 1, CDY1, CDY1A

**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.

**CDY1 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** CDY1

**Synonyms** CDY1A

**Function**

Has histone acetyltransferase activity, with a preference for histone H4.

**Cellular Location**

Nucleus.

**Tissue Location**

Testis-specific. Detected in spermatids (at protein level).

**CDY1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**CDY1 Antibody (N-term) Blocking Peptide - Images**

### **CDY1 Antibody (N-term) Blocking Peptide - Background**

This gene encodes a protein containing a chromodomain and a histone acetyltransferase catalytic domain. Chromodomain proteins are components of heterochromatin-like complexes and can act as gene repressors. This protein is localized to the nucleus of late spermatids where histone hyperacetylation takes place. Histone hyperacetylation is thought to facilitate the transition in which protamines replace histones as the major DNA-packaging protein. The human chromosome Y has two identical copies of this gene within a palindromic region; this record represents the more centromeric copy. Chromosome Y also contains a pair of closely related genes in another more telomeric palindrome as well as several related pseudogenes. Two protein isoforms are encoded by transcript variants of this gene. Additional transcript variants have been described, but their full-length nature has not been determined.

### **CDY1 Antibody (N-term) Blocking Peptide - References**

Kleiman, S.E., et al. Hum. Genet. 113(6):486-492(2003) Dorus, S., et al. Hum. Mol. Genet. 12(14):1643-1650(2003) Skaletsky, H., et al. Nature 423(6942):825-837(2003) Lahn, B.T., et al. Proc. Natl. Acad. Sci. U.S.A. 99(13):8707-8712(2002) Ferlin, A., et al. J. Endocrinol. Invest. 24 (2), RC4-RC6 (2001) :