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CDY1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP18948a

Specification

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

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CDY1 Antibody (N-term) Blocking Peptide - Background

This gene encodes a protein containing a chromodomain anda histone acetyltransferase catalytic domain. Chromodomain proteinsare components of heterochromatin-like complexes and can act asgene repressors. This protein is localized to the nucleus of latespermatids where histone hyperacetylation takes place. Histonehyperacetylation is thought to facilitate the transition in whichprotamines replace histones as the major DNA-packaging protein. Thehuman chromosome Y has two identical copies of this gene within apalindromic region; this record represents the more centromericcopy. Chromosome Y also contains a pair of closely related genes inanother more telomeric palindrome as well as several relatedpseudogenes. Two protein isoforms are encoded by transcriptvariants of this gene. Additional transcript variants have beendescribed, 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) :