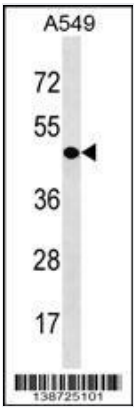
CDY1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDY1, Polyclonal Antibody
Full Product Name	CDY1, NT (CDY1, CDY1A, Testis-specific chromodomain protein Y 1) (AP)
Product Gene Name	anti-CDY1 antibody
Product Synonym Names	CDY1; CDY1A; Testis-specific chromodomain protein Y 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	60,473 Da
Chromosome Location	Chromosome: Y; NC_000024.9 (26191376..26194161, complement). Location: Yq11.223
OMIM	400016
3D Structure	ModBase 3D Structure for Q9Y6F8
Immunogen	CDY1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CDY1.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-CDY1 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CDY1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CDY1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CDY1 antibody	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.

Product References and Citations for anti-CDY1 antibody	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).
Other Notes	Small volumes of anti-CDY1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CDY1 purchase	MBS6284853 is an antibody targeting CDY1. Also known as CDY1, NT (CDY1, CDY1A, Testis-specific chromodomain protein Y 1) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CDY1 antibody
CDY1 Antibody (N-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the CDY1 antibody detected the CDY1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDY1. It may not necessarily be applicable to this product.

NCBI GI #	51538573
NCBI GeneID	253175
NCBI Accession #	NP_001003894.1
UniProt Primary Accession #	Q9Y6F8
UniProt Secondary Accession #	O14600; A2RUK1
UniProt Related Accession #	Q9Y6F8
GenBank Nucleotide #	NM_001003894.1
NCBI Official Full Name	testis-specific chromodomain protein Y 1 isoform a
NCBI Official Synonym Full Names	chromodomain protein, Y-linked, 1B
NCBI Official Symbol	CDY1B
NCBI Official Synonym Symbols	CDY
UniProt Protein Name	Testis-specific chromodomain protein Y 1
Protein Family	Testis-specific chromodomain protein
UniProt Gene Name	CDY1
UniProt Synonym Gene Names	CDY1A
UniProt Entry Name	CDY1_HUMAN
NCBI Protein Information	testis-specific chromodomain protein Y 1; chromodomain protein, Y chromosome, 1, centromeric; testis-specific chromodomain protein on Y, centromeric

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