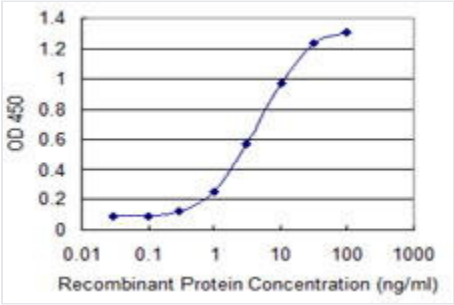
CDY2A Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CDY2A, Monoclonal Antibody
Full Product Name	CDY2A (Chromodomain Protein, Y-Linked, 2A, CDY, CDY2) (Biotin)
Product Gene Name	anti-CDY2A antibody
Product Synonym Names	Chromodomain Protein; Y-Linked; 2A; CDY; CDY2
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4C8
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes CDY2A.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. 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 after thawing and prior to removing the cap.
OMIM	400018
3D Structure	ModBase 3D Structure for Q9Y6F7
Immunogen	CDY2A (NP_004816, 123aa-214aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	ASTLSDTKNMEIINSTIETLAPDSPFDHKKTVSGFQKLEKLDPIAADQQDTVVFKVTEGKLLRDPLSHPGAEQTGIQNKTQMHPLMSQMSGS
Conjugate	Biotin
Product Categories/Family for anti-CDY2A antibody	Antibodies; Chromatin Proteins
Applications Tested/Suitable for anti-CDY2A antibody	Western Blot (WB)
Application Notes for anti-CDY2A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CDY2A antibody	This intronless 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. Two nearly identical copies of this gene are found in a palindromic region on chromosome Y; this record represents the telomeric copy. Chromosome Y also contains a pair of closely related genes in another more telomeric palindrome as well as several related pseudogenes. [provided by RefSeq]

Other Notes	Small volumes of anti-CDY2A 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 CDY2A purchase	MBS6173711 is an antibody targeting CDY2A. Also known as CDY2A (Chromodomain Protein, Y-Linked, 2A, CDY, CDY2) (Biotin). Host: Mouse.



Testing Data of anti-CDY2A antibody
Detection limit for recombinant GST tagged CDY2A is 0.1 ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDY2A. It may not necessarily be applicable to this product.

NCBI GI #	4757968
NCBI Accession #	NP_004816
UniProt Primary Accession #	Q9Y6F7
GenBank Nucleotide #	NP_004816.1
NCBI Official Full Name	testis-specific chromodomain protein Y 2
UniProt Protein Name	Testis-specific chromodomain protein Y 2
Protein Family	Testis-specific chromodomain protein
UniProt Gene Name	CDY2A
UniProt Synonym Gene Names	CDY2 **CDY2B**
UniProt Entry Name	CDY2_HUMAN
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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