

Datasheet for ABIN2783449  
**anti-CDY1 antibody (C-Term)**[Go to Product page](#)**1** Image**1** Publication

## Overview

Quantity:	100 µL
Target:	CDY1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDY1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CDY1
Sequence:	FPRTWWQSAE DVHREKIQLD LEAEFYFTHL IVMFKSPRPA AMVLDRSQDF
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 93%, Horse: 85%, Human: 100%, Mouse: 86%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against CDY1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

## Target Details

Target:	CDY1
Alternative Name:	CDY1 ( <a href="#">CDY1 Products</a> )

## Target Details

Background:	<p>CDY1 containing a chromodomain and a histone acetyltransferase catalytic domain.</p> <p>Chromodomain proteins are components of heterochromatin-like complexes and can act as gene repressors. Histone hyperacetylation is thought to facilitate the transition in which protamines replace histones as the major DNA-packaging protein. 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 telomeric 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.</p> <p>Alias Symbols: CDY, CDY1A</p> <p>Protein Size: 554</p>
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Molecular Weight:	62 kDa
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Gene ID:	9085
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NCBI Accession:	<a href="#">NM_004680</a> , <a href="#">NP_004671</a>
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UniProt:	<a href="#">A8K8F3</a>
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## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 554 AA
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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## Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	Stouffs, Tournaye, Van der Elst, Haentjens, Liebaers, Lissens: "Do we need to search for gr/gr deletions in infertile men in a clinical setting?" in: <b>Human reproduction (Oxford, England)</b> , Vol. 23, Issue 5, pp. 1193-9, (2008) ( <a href="#">PubMed</a> ).
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## Images



### Western Blotting

**Image 1.** WB Suggested Anti-CDY1 Antibody Titration:  
2.5ug/ml Positive Control: HepG2 cell lysate