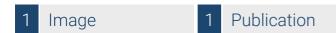


# Datasheet for ABIN2783449

# anti-CDY1 antibody (C-Term)





Go to Product page

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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 (CDY1 Products)

### Target Details

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CDY1 containing a chromodomain and a histone acetyltransferase catalytic domain. 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.

Alias Symbols: CDY, CDY1A

Protein Size: 554

Molecular Weight:	62 kDa
Gene ID:	9085
NCBI Accession:	NM_004680, NP_004671
UniProt:	A8K8F3

### **Application Details**

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

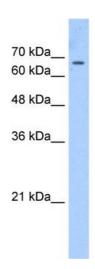
- Tarraning	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide

### 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

23, Issue 5, pp. 1193-9, (2008) (PubMed).

## Images



### **Western Blotting**

deletions in infertile men in a clinical setting?" in: Human reproduction (Oxford, England), Vol.

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