

Datasheet for ABIN1881419

**anti-HIST2H3A antibody (C-Term)**[Go to Product page](#)**1** Image**5** Publications

## Overview

Quantity:	400 µL
Target:	HIST2H3A
Binding Specificity:	AA 108-136, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST2H3A antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This HIST2H3A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 108-136 amino acids from the C-terminal region of human HIST2H3A.
Clone:	RB41556
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat, C, Zf, X, E, D, Pig, Rb
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	HIST2H3A
Alternative Name:	HIST2H3A ( <a href="#">HIST2H3A Products</a> )

## Target Details

Background:	<p>Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails, instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated, this record represents the telomeric copy. [provided by RefSeq].</p>
Molecular Weight:	15388
NCBI Accession:	<a href="#">NP_001005464</a> , <a href="#">NP_001116847</a> , <a href="#">NP_066403</a>
UniProt:	<a href="#">Q71DI3</a>

## Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

## Publications

Product cited in:	<p>Neumann, Hancock, Buning, Routh, Chapman, Somers, Owen-Hughes, van Noort, Rhodes, Chin: "A method for genetically installing site-specific acetylation in recombinant histones defines the effects of H3 K56 acetylation." in: <b>Molecular cell</b>, Vol. 36, Issue 1, pp. 153-63, (2009) (<a href="#">PubMed</a>).</p>
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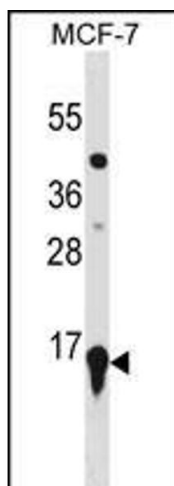
Hurd, Bannister, Halls, Dawson, Vermeulen, Olsen, Ismail, Somers, Mann, Owen-Hughes, Gout, Kouzarides: "Phosphorylation of histone H3 Thr-45 is linked to apoptosis." in: **The Journal of biological chemistry**, Vol. 284, Issue 24, pp. 16575-83, (2009) ([PubMed](#)).

Yuan, Pu, Zhang, Lou: "Histone H3-K56 acetylation is important for genomic stability in mammals." in: **Cell cycle (Georgetown, Tex.)**, Vol. 8, Issue 11, pp. 1747-53, (2009) ([PubMed](#)).

Chang, Zhang, Beezhold, Bhatia, Zhao, Chen, Castranova, Shi, Chen: "Sustained JNK1 activation is associated with altered histone H3 methylations in human liver cancer." in: **Journal of hepatology**, Vol. 50, Issue 2, pp. 323-33, (2009) ([PubMed](#)).

Kobza, Sarath, Zemleni: "Prokaryotic BirA ligase biotinylates K4, K9, K18 and K23 in histone H3." in: **BMB reports**, Vol. 41, Issue 4, pp. 310-5, (2008) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** HIST2H3A Antibody (C-term) (ABIN1881419 and ABIN2838705) western blot analysis in MCF-7 cell line lysates (35 µg/lane). This demonstrates the HIST2H3A antibody detected the HIST2H3A protein (arrow).