

Datasheet for ABIN2787622  
**anti-H2AFY antibody (Middle Region)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	H2AFY
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Horse, Dog, Guinea Pig, Rabbit, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This H2AFY antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human H2AFY
Sequence:	PVSKKAGGKK GARKSKKQGE VSKAASADST TEGTPADGFT VLSTKSLFLG
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against H2AFY. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	H2AFY
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## Target Details

Alternative Name: H2AFY ([H2AFY Products](#))

Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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. H2AFY is a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms.

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Alias Symbols: H2A.y, H2A/y, H2AF12M, H2AFJ, MACROH2A1.1, mH2A1, macroH2A1.2

Protein Interaction Partner: ERICH2, UBC, SUMO2, SUMO3, HIST1H3A, H3F3A, SUZ12, EED, RNF2, EZH2, BMI1, SRPK1, LMNA, ATF2, FN1, HIST1H3B, CENPA, APP, CBX5, CBX3, DIDO1, UBD, ATXN1L, NEDD8, ERBB2, SUMO1, HDGF, HDAC2, HDAC1, PARP1, tat, CUL3, SPOP, WDR77, PHF14, DEK, XRCC5, TOP1, RAN, H

Protein Size: 371

Molecular Weight: 39 kDa

Gene ID: 9555

NCBI Accession: [NM\\_001040158](#), [NP\\_001035248](#)

UniProt: [O75367](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

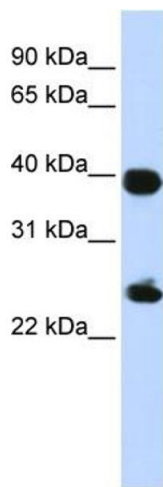
Comment: Antigen size: 371 AA

Restrictions: For Research Use only

## Handling

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
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.

## Images



### Western Blotting

#### Image 1. WB Suggested Anti-H2AFY Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:312500

**Positive Control:** 293T cell lysate