

Datasheet for ABIN7267723
anti-Histone H2A antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	Histone H2A
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Histone H2A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Histone H2A.Z Rabbit mAb
Immunogen:	A synthesized peptide derived from human Histone H2A.Z
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Histone H2A
Abstract:	Histone H2A Products
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the

Target Details

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. This gene encodes a replication-independent member of the histone H2A family that is distinct from other members of the family. Studies in mice have shown that this particular histone is required for embryonic development and indicate that lack of functional histone H2A leads to embryonic lethality. [provided by RefSeq, Jul 2008],H2A.Z-1, H2A.z, H2A/z, H2AZ,Epigenetics & Nuclear Signaling,Histones,Histone H2A

Molecular Weight: 13kDa

Gene ID: 3015

UniProt: [P0C0S5](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

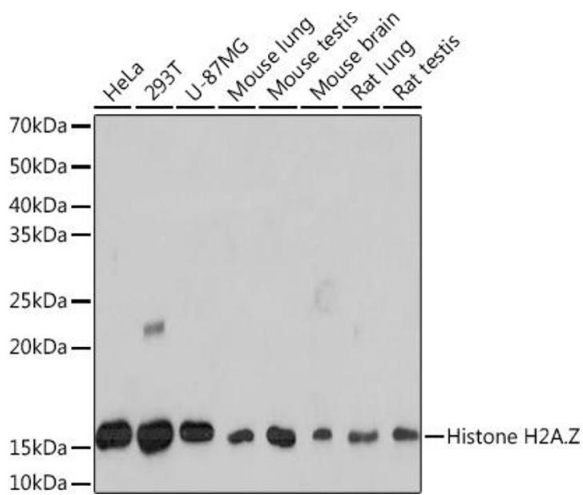
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

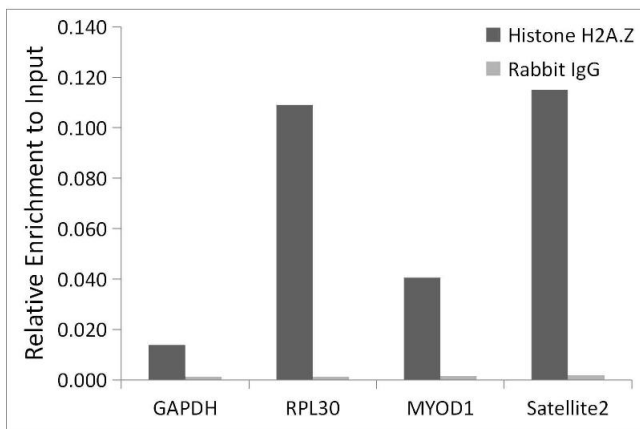
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Histone H2A.Z Rabbit mAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Chromatin Immunoprecipitation

Image 2. Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Histone H2A.Z Rabbit mAb antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.