

# [KO Validated] Histone H2A.Z Rabbit pAb

Catalog No.: A12442 **KO** **Validated** **1 Publications**

## Basic Information

### Observed MW

14kDa

### Calculated MW

13kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## 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. 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.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

3015

### Swiss Prot

P0C0S5

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-128 of human H2AFZ (NP\_002097.1).

### Synonyms

H2AZ; H2A.z; H2A/z; H2AFZ; H2A.Z-1; .Z

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

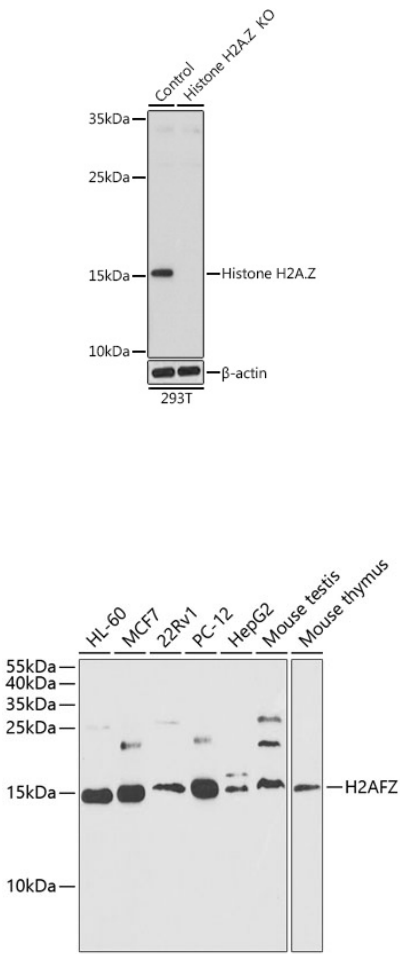
Affinity purification

### Storage

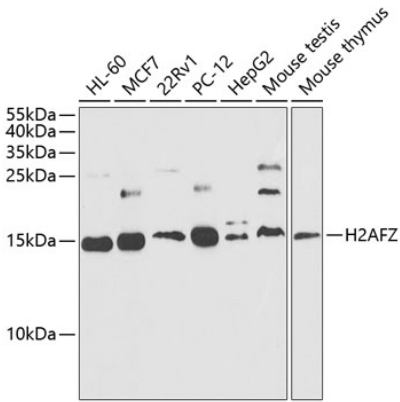
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Western blot analysis of lysates from wild type (WT) and Histone H2A.Z knockout (KO) 293T cells, using [KO Validated] Histone H2A.Z Rabbit pAb (A12442) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



Western blot analysis of various lysates using [KO Validated] Histone H2A.Z Rabbit pAb (A12442) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.