Leader in Biomolecular Solutions for Life Science

[KO Validated] Histone H2A.Z Rabbit pAb



Catalog No.: A12442 KO Validated 1 Publications

Basic Information

Observed MW

14kDa

Calculated MW

13kDa

Category

Polyclonal Antibody

Applications

WB, ELISA

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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www.abclonal.com

Product Information

Source Rabbit

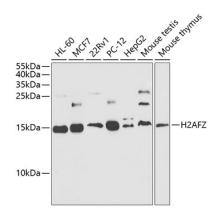
Isotype IgG

Purification Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.



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.

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: 25µg per lane.

35Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.

