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Datasheet for ABIN6141572

anti-Histone H2A antibody (AA 1-128)

2 Images

Overview

Quantity:	100 µL
Target:	Histone H2A
Binding Specificity:	AA 1-128
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H2A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-128 of human H2AFZ (NP_002097.1).
Sequence:	MAGGKAGKDS GKAKTKAVSR SQRAGLQFPV GRIHRHLKSR TTSHGRVGAT AAVYSAAILE YLTAEVLELA GNASKDLKVK RITPRHLQLA IRGDEELDSL IKATIAGGGV IPHIHKSLIG KKGQQKTV
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal 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 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.,H2AFZ,H2A.Z-1,H2A.z,H2A/z,H2AZ,histone H2A.Z,Epigenetics & Nuclear Signaling,Histones,Histone H2A

Molecular Weight: 13 kDa

Gene ID: 3015

UniProt: [P0C0S5](#)

Application Details

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

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

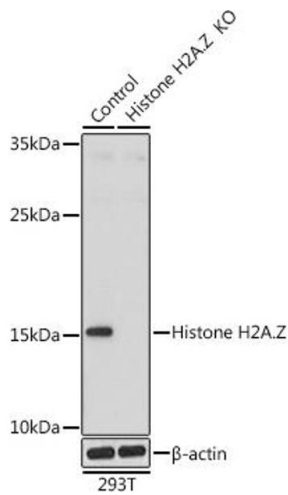
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

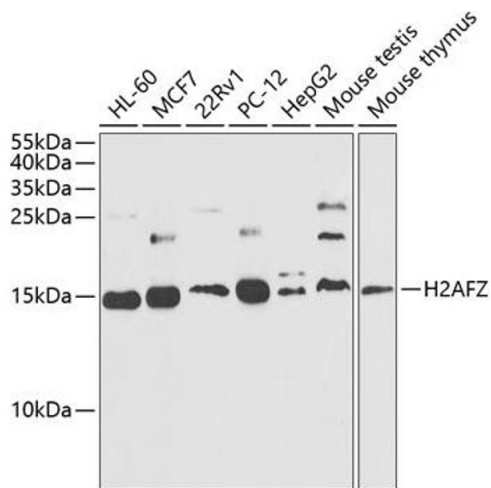
Storage: -20 °C

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



Western Blotting

Image 1. Western blot analysis of extracts from normal (control) and Histone H2A.Z Rabbit pAb knockout (KO) 293T cells, using Histone H2A.Z Rabbit pAb antibody (ABIN6132045, ABIN6141572, ABIN6141574 and ABIN6216069) 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: 1s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Histone H2A.Z antibody (ABIN6132045, ABIN6141572, ABIN6141574 and ABIN6216069) 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.