

Datasheet for ABIN2856585
anti-H2AFZ antibody (C-Term)

5 Images

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Overview

Quantity:	100 µL
Target:	H2AFZ
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This H2AFZ antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Chromatin Immunoprecipitation (ChIP), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Whole Mount) (IHC (wm))

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human Histone H2A.Z. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Cat, Dog, Human, Mouse, Zebrafish (Danio rerio)
Characteristics:	Rabbit Polyclonal antibody to Histone H2A.Z (H2A histone family, member Z) Histone H2A.Z antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	H2AFZ
Alternative Name:	H2A histone family member Z (H2AFZ Products)
Background:	<p>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.</p> <p>Cellular Localization: Nucleus</p>
Molecular Weight:	14 kDa
Gene ID:	3015
UniProt:	P0C0S5
Pathways:	Telomere Maintenance

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:500-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Molt-4 , Raji
Restrictions:	For Research Use only

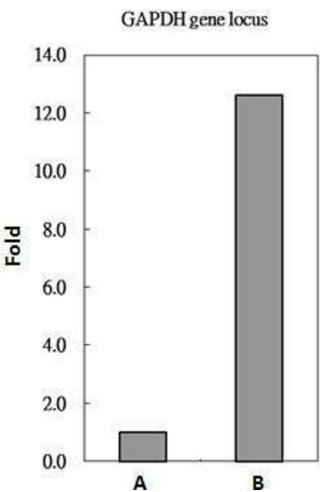
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE

Handling

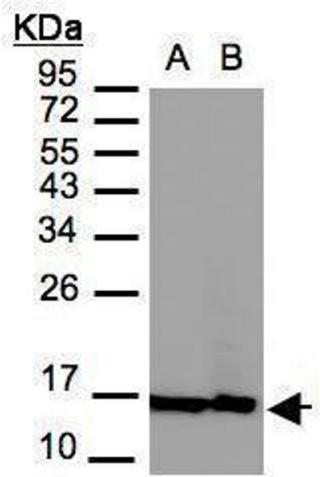
	which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



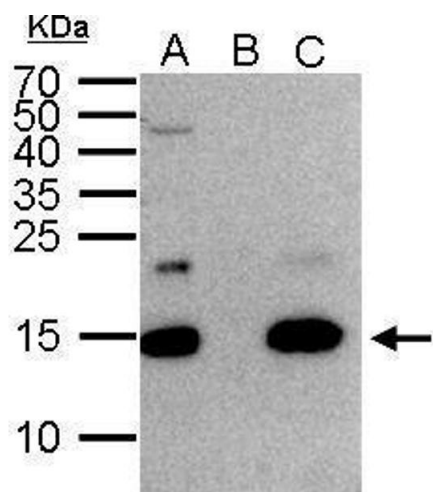
Chromatin Immunoprecipitation

Image 1. ChIP Image Histone H2A.Z antibody immunoprecipitates Histone H2A.Z protein-DNA in ChIP experiments. ChIP Sample: HeLa whole cell lysate/extract A. 5 µg preimmune rabbit IgG B. 5 µg of Histone H2A.Z antibody , The precipitated DNA was detected by PCR with primer set targeting to GAPDH gene locus.



Western Blotting

Image 2. WB Image Sample(30 µg of whole cell lysate) A:MOLT4, B:Raji, 12% SDS PAGE antibody diluted at 1:3000



Immunoprecipitation

Image 3. IP Image Histone H2A.Z antibody immunoprecipitates Histone H2A.Z protein in IP experiments. IP Sample: 1000 µg HeLa whole cell lysate/extract A. 50 µg HeLa whole cell lysate/extract B. Control with 2 µg of preimmune rabbit IgG C. Immunoprecipitation of Histone H2A.Z protein by 2 µg of Histone H2A.Z antibody , 15% SDS-PAGE The immunoprecipitated Histone H2A.Z protein was detected by Histone H2A.Z antibody , diluted at 1:1000. EasyBlot anti-rabbit IgG was used as a secondary reagent.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2856585.