

Product datasheet for **AP51991PU-N**

H2A.Z (H2AFZ) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 66-94 amino acids from the C-terminal region of Human Histone H2A.Z
Specificity:	This antibody recognizes Human Histone H2A.Z (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	H2A histone family member Z
Database Link:	Entrez Gene 3015 Human POC0S5



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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. [provided by RefSeq].

Synonyms:

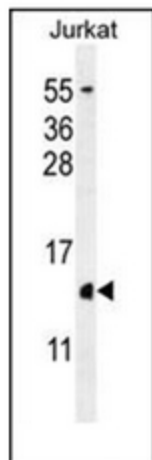
H2AFZ, H2AZ, H2A/z

Note:**Molecular Weight:** 13553 Da**Protein Families:**

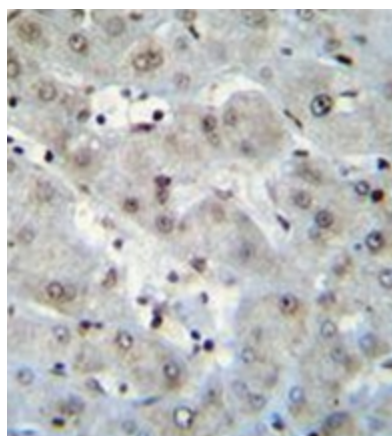
Druggable Genome

Protein Pathways:

Systemic lupus erythematosus

Product images:

Western blot analysis of H2AFZ Antibody (C-term) in Jurkat cell line lysates (35ug/lane). This demonstrates the H2AFZ antibody detected the H2AFZ protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue reacted with H2AFZ Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.