10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

H4-K20 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5660a

Specification

H4-K20 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P62805
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**11367**
Antigen Region	**1-30**

H4-K20 Antibody (N-term) - Additional Information

Gene ID 121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370

Other Names
Histone H4, HIST1H4A, H4/A, H4FA

Target/Specificity
This H4-K20 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human H4-K20.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
H4-K20 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

H4-K20 Antibody (N-term) - Protein Information

Name H4C1

Synonyms H4/A, H4FA, HIST1H4A

Function Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

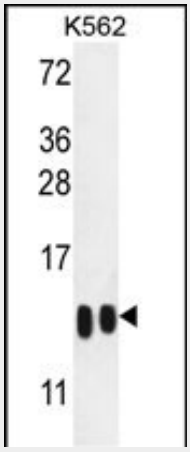
Cellular Location
Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to the nucleus when acetylated in step 11 spermatids. {ECO:0000250|UniProtKB:P62806}

H4-K20 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

H4-K20 Antibody (N-term) - Images



H4-K20 Antibody (N-term) (Cat. #AP5660a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the H4 antibody detected the H4-K20(arrow). From left to right ,the Sample Lot# is SA090513AM?SA090513AN .

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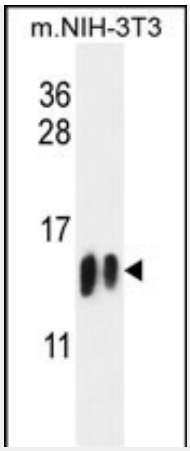

H4-K20 Antibody (N-term) (Cat. #AP5660a) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane).This demonstrates the H4 antibody detected the H4-K20 (arrow). From left to right ,the Sample Lot# is SA090513AM?SA090513AN .

H4-K20 Antibody (N-term) - Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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.

H4-K20 Antibody (N-term) - References

Yan,D., et.al., Biochem. J. 408 (1), 113-121 (2007)