

H1FNT Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21787a

Product Information

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|-------------------|------------------------|
| Application | WB, E |
| Primary Accession | Q75WM6 |
| Reactivity | Human, Rat, Mouse |
| Host | Rabbit |
| Clonality | polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB53634 |
| Calculated MW | 28116 |

Additional Information

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|--------------------|--|
| Gene ID | 341567 |
| Other Names | Testis-specific H1 histone, Haploid germ cell-specific nuclear protein 1, Histone H1t2, H1FNT, HANP1 |
| Target/Specificity | This H1FNT antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 59-93 amino acids from human H1FNT. |
| Dilution | WB~~1:2000 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 | H1FNT Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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| Name | H1-7 (HGNC:24893) |
| Function | Essential for normal spermatogenesis and male fertility (PubMed: 16533358). Required for proper cell restructuring and DNA condensation during the elongation phase of spermiogenesis. Involved in the histone-protamine transition of sperm chromatin and the subsequent production of functional sperm. Binds both double-stranded and single-stranded DNA, ATP and protamine-1. |

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|--------------------------|---|
| Cellular Location | Nucleus {ECO:0000250 UniProtKB:Q8CJI4}. Chromosome {ECO:0000250 UniProtKB:Q8CJI4}. Note=In round and elongating spermatids, specifically localizes to a chromatin domain at the apical pole. {ECO:0000250 UniProtKB:Q8CJI4} |
| Tissue Location | Testis-specific.. |

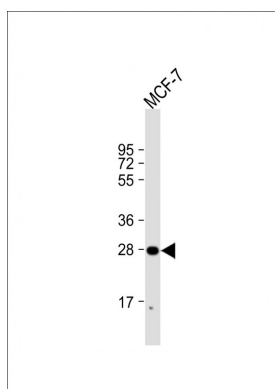
Background

Essential for normal spermatogenesis and male fertility. Required for proper cell restructuring and DNA condensation during the elongation phase of spermiogenesis. Involved in the histone- protamine transition of sperm chromatin and the subsequent production of functional sperm. Binds both double-stranded and single-stranded DNA, ATP and protamine-1 (By similarity).

References

Huang C.Q.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Scherer S.E.,et al.Nature 440:346-351(2006).
Tanaka H.,et al.Int. J. Androl. 29:353-359(2006).
Martianov I.,et al.Proc. Natl. Acad. Sci. U.S.A. 102:2808-2813(2005).

Images



Anti-H1FNT Antibody (N-Term) at 1:2000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.