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H1FNT Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21787a

Specification

H1FNT Antibody (N-Term) - Product Information

Application	**WB,E**
Primary Accession	Q75WM6
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**28116**
Antigen Region	**59-93**

H1FNT Antibody (N-Term) - Additional Information

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

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.

H1FNT Antibody (N-Term) - Protein Information

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.

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}

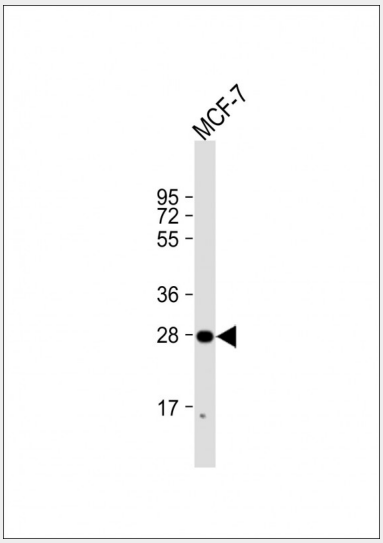
Tissue Location
Testis-specific..

H1FNT 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

H1FNT Antibody (N-Term) - 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.

H1FNT Antibody (N-Term) - 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).

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H1FNT Antibody (N-Term) - 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).