

**H1FNT Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21787a****Specification**

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**H1FNT Antibody (N-Term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q75WM6</a>
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

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.

**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:Q8CJ14}. Chromosome {ECO:0000250|UniProtKB:Q8CJ14}. Note=In round and elongating spermatids, specifically localizes to a chromatin domain at the apical pole. {ECO:0000250|UniProtKB:Q8CJ14}

#### Tissue Location

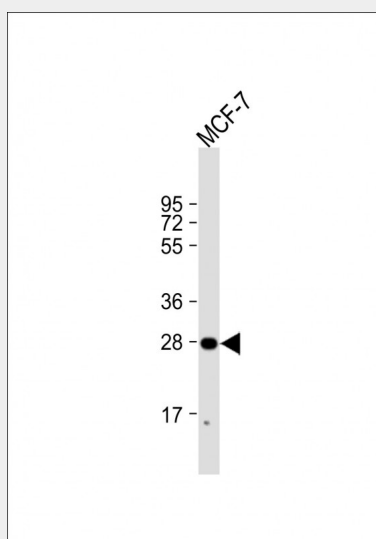
Testis-specific..

### 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 Cytometry](#)
- [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).

#### **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).