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H1FNT Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21787a

Product Information

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

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.

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..

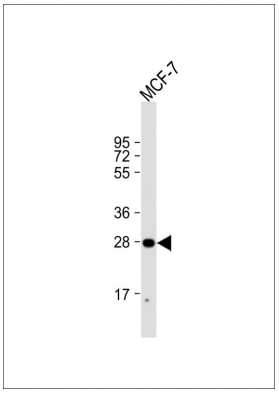
Background

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'.