

H1FNT Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14273

Product Information

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|-------------------|---|
| Application | WB |
| Primary Accession | Q75WM6 |
| Other Accession | NM_181788 , NP_861453 |
| Reactivity | Human |
| Predicted | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 28116 |

Additional Information

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|--------------------------|--|
| Gene ID | 341567 |
| Alias Symbol | H1T2 |
| Other Names | Testis-specific H1 histone, Haploid germ cell-specific nuclear protein 1, Histone H1t2, H1FNT, HANP1 |
| Format | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| Reconstitution & Storage | Add 50 ul of distilled water. Final anti-H1FNT antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| Precautions | H1FNT Antibody - C-terminal region 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. |
| 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..

References

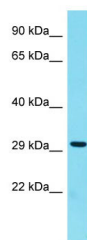
Huang C.Q.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

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



Host: Rabbit

Target Name: H1FNT

Sample Tissue: Esophagus Tumor lysates

Antibody Dilution: 1.0µg/ml

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