Datasheet for ABIN7601414

anti-H1 Histone Family, Member N, Testis-Specific (H1FNT) (AA 35-130) antibody

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Overview

Quantity:	100 µg
Target:	H1 Histone Family, Member N, Testis-Specific (H1FNT)
Binding Specificity:	AA 35-130
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-H1-7 Antibody Picoband®
Immunogen:	E.coli-derived human H1-7 recombinant protein (Position: H35-R130). Human H1-7 shares 61.3% and 64.9 amino acid (aa) sequence identity with mouse and rat H1-7, respectively.
Characteristics:	Anti-H1-7 Antibody Picoband® (ABIN7601414). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	H1 Histone Family, Member N, Testis-Specific (H1FNT)
Alternative Name:	H1-7 (H1FNT Products)
Background:	H1 histone family, member N, testis-specific is a member of the histone family of nuclear proteins which are a component of chromatin. In humans, this protein is encoded by the H1FNT gene. Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-independent histone that is a member of the histone H1 family. The related mouse gene encodes a testis specific protein that is required for spermatogenesis and male fertility.
Molecular Weight:	28 kDa
Gene ID:	341567

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Martianov, I., Brancorsini, S., Catena, R., Gansmuller, A., Kotaja, N., Parvinen, M., Sassone-Corsi, P., Davidson, I. Polar nuclear localization of H1T2, a histone H1 variant, required for spermatid elongation and DNA condensation during spermiogenesis. Proc. Nat. Acad. Sci. 102: 2808-2813, 2005. 2. Tanaka, H., Iguchi, N., Isotani, A., Kitamura, K., Toyama, Y., Matsuoka, Y., Onishi, M., Masai, K., Maekawa, M., Toshimori, K., Okabe, M., Nishimune, Y. HANP1/H1T2, a novel histone H1-like protein involved in nuclear formation and sperm fertility. Molec. Cell. Biol. 25: 7107-7119, 2005. 3. Tanaka, H., Matsuoka, Y., Onishi, M., Kitamura, K., Miyagawa, Y., Nishimura, H., Tsujimura, A., Okuyama, A., Nishimune, Y. Expression profiles and single-nucleotide polymorphism analysis of human HANP1/H1T2 encoding a histone H1-like protein. Int. J. Androl. 29: 353-359, 2006.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.