

Datasheet for ABIN7600522

**anti-Histone H1 antibody (AA 20-159)**[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Histone H1 (H1F0)
Binding Specificity:	AA 20-159
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Histone H1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-Histone H1.0/H1F0 Antibody Picoband® (monoclonal, 5I3E6)
Immunogen:	E.coli-derived human Histone H1.0/H1F0 recombinant protein (Position: K20-K159).
Clone:	5I3E6
Isotype:	IgG2b
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Histone H1.0/H1F0 Antibody Picoband® (monoclonal, 5I3E6) (ABIN7600522). Tested in Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse. 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.

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target: Histone H1 (H1F0)

Alternative Name: H1F0 ([H1F0 Products](#))

Background: Synonyms: T-complex protein 1 subunit gamma, TCP-1-gamma, CCT-gamma, hTRiC5, CCT3, CCTG, TRiC5

Tissue Specificity: Ubiquitously expressed with highest levels in spleen, thymus and immature brain.

Background: H1 histone family, member 0 is a member of the histone family of nuclear proteins which are a component of chromatin. In humans, this protein is encoded by the H1F0 gene. It is mapped to 22q13.1. 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.

Molecular Weight: 24 kDa

Gene ID: 3005

UniProt: [P07305](#)

## Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human

Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse

Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human

1. Doenecke D, Tönjes R (February 1986). "Differential distribution of lysine and arginine residues in the closely related histones H1 and H5. Analysis of a human H1 gene". Journal of Molecular Biology. 187 (3): 461-4. 2. Albig W, Drabent B, Kunz J, Kalff-Suske M, Grzeschik KH, Doenecke D (June 1993). "All known human H1 histone genes except the H1(0) gene are clustered on chromosome 6". Genomics. 16 (3): 649-54.

Restrictions: For Research Use only

## Handling

---

Format:	Lyophilized
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 and 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
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.