

Datasheet for ABIN7600521
anti-Histone H1 antibody (AA 20-159)



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Overview

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

Product Details

Purpose:	Anti-Histone H1.0/H1F0 Antibody Picoband®
Immunogen:	E.coli-derived human Histone H1.0/H1F0 recombinant protein (Position: K20-K159)
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Histone H1.0/H1F0 Antibody Picoband® (ABIN7600521). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB 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:	Histone H1 (H1F0)
Alternative Name:	H1F0 (H1F0 Products)
Background:	<p>Synonyms: Histone H1.0, Histone H1', Histone H1 (0), H1F0, H1FV</p> <p>Tissue Specificity: Expressed in fetal and adult brain. Also detected in fetal liver and skeletal muscle, but not in their adult counterparts.</p> <p>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.</p> <p>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.</p>
Molecular Weight:	24 kDa
Gene ID:	3005
UniProt:	P07305

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>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.</p>
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized

Handling

Reconstitution:	Add 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 Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.