

Datasheet for ABIN2785870

**anti-Histone Cluster 1, H1t (HIST1H1T) (Middle Region)
antibody**[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Histone Cluster 1, H1t (HIST1H1T)
Binding Specificity:	Middle Region
Reactivity:	Human, Dog, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HIST1H1T
Sequence:	KLSKKVIPKS TRSKAKKSVS AKTKKLVLRS DSKSPKTAKT NKRAKKPRAT
Predicted Reactivity:	Dog: 92%, Human: 100%, Pig: 86%, Rabbit: 93%
Characteristics:	This is a rabbit polyclonal antibody against HIST1H1T. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Histone Cluster 1, H1t (HIST1H1T)
Alternative Name:	HIST1H1T (HIST1H1T Products)

Target Details

Background:	Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. HIST1H1T is a member of the histone H1 family. Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6. Alias Symbols: H1FT, H1t, MGC163222, dJ221C16.2 Protein Interaction Partner: UBC, SUMO1, IRAK4, PRKCA, YWHAQ, POU5F1, Protein Size: 207
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Molecular Weight:	22 kDa
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Gene ID:	3010
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NCBI Accession:	NM_005323 , NP_005314
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UniProt:	P22492
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 207 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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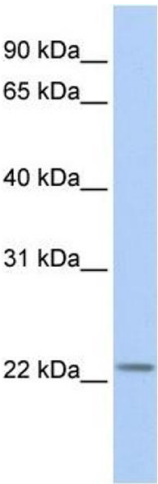
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-HIST1H1T Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human heart