

Datasheet for ABIN2463431
anti-HIST2H2AA3 antibody[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	HIST2H2AA3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST2H2AA3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human HIST2H2AA3.
Purification:	Antibody is purified by protein A chromatography method.

Target Details

Target:	HIST2H2AA3
Alternative Name:	HIST2H2AA3 (HIST2H2AA3 Products)
Background:	Histones are basic nuclear proteins that are responsible for the 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.

Target Details

HIST2H2AA3 is a member of the histone H2A family. Histones are basic nuclear proteins that are responsible for the 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 H2A family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated, this record represents the centromeric copy. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Molecular Weight:	14 kDa
Gene ID:	8337
NCBI Accession:	NP_003507
UniProt:	Q7L7L0
Pathways:	Telomere Maintenance

Application Details

Application Notes:	HIST2H2AA3 antibody can be used for detection of HIST2H2AA3 by ELISA at 1:12500. HIST2H2AA3 antibody can be used for detection of HIST2H2AA3 by western blot at 2.5 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
Restrictions:	For Research Use only

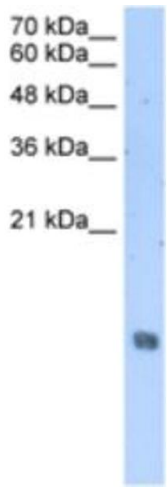
Handling

Format:	Lyophilized
Reconstitution:	Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.
Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C

Handling

Storage Comment: For short periods of storage (days) store at 4 °C. For longer periods of storage, store HIST2H2AA3 antibody at -20 °C.

Images



Western Blotting

Image 1.