

Rabbit anti-Human Histone H3 Polyclonal Antibody | anti-H3 antibody

Histone H3 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60089	Rabbit	Human	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

Histone H3; Polyclonal Antibody; Histone H3 antibody (pAb); anti-H3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-H3 antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation)
Immunogen	This antibody was raised against Recombinant Histone H3 from Xenopus laevis, which shares 99% identity to human H3 (134/136 aa are identical).
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

Histone H3 antibody tested by Western blot 20 ug HeLa cell nuclear extract was run on an SDS-PAGE gel and probed with Histone H3 antibody (pAb) at 0.5 ug/ml. MW: 17 kDa



ChIP (Chromatin Immunoprecipitation)

Histone H3 antibody tested by ChIP-Seq. Chromatin immunoprecipitation (ChIP) was performed using the ChIP-IT High Sensitivity Kit with 30 ug of chromatin from Farage human lymph-node derived B cells and 4 ul Histone H3 antibody. ChIP DNA was sequenced on the Illumina HiSeq and 20 million sequence tags were mapped to identify Histone H3 binding sites.

ADDITIONAL INFORMATION

Related Product Information for anti-H3 antibody	Short Description: Our Histone H3 antibody (pAb) was raised in a Rabbit host. It has been validated for use in ChIP-Seq and Western blot; it has been shown to react with Human samples. Background: Histone H3 is one of the core components of the nucleosome. The nucleosome is the smallest subunit of chromatin and consists of 147 base pairs of DNA wrapped around an octamer of core histone proteins (two each of Histone H2A, Histone H2B, Histone H3 and Histone H4). Chromatin is subject to a variety of chemical modifications, including post-translational modifications of the histone proteins and the methylation of cytosine residues in the DNA. Reported histone modifications include acetylation, methylation, phosphorylation, ubiquitylation, glycosylation, ADP-ribosylation, carbonylation and SUMOylation; these modifications play a major role in regulating gene expression.
Product Categories/Family for anti-H3 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight	17kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-h3-antibody-western-blot-chromatin-immunoprecipitation-elisa/60089>