

Rabbit Histone H3K14me2 Polyclonal Antibody | anti-H3K14me2 antibody

Histone H3K14me2 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59860	Rabbit	Human, Wide Range Predicted	Western Blot

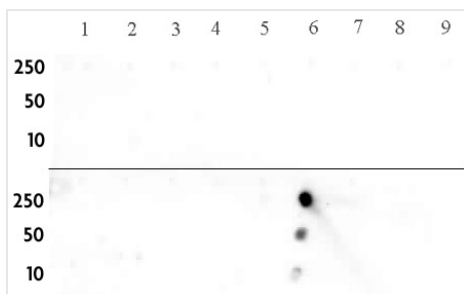
PRODUCT SYNONYMS

Histone H3K14me2; Polyclonal Antibody; Histone H3K14me2 antibody (pAb); anti-H3K14me2 antibody

PRODUCT SPECIFICATIONS

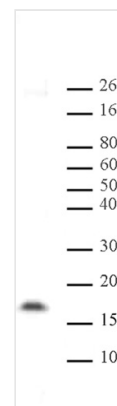
Host	Rabbit
Reactivity	Human, Wide Range Predicted
Clonality	Polyclonal
Form/Format	Rabbit serum containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-H3K14me2 antibody	WB (Western Blot)
Conjugation	Methylated
Immunogen	This Histone H3 dimethyl Lys14 antibody was raised against a peptide containing dimethyl-lysine 14 of human histone H3.
Abs Residue	Lys
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



DB (Dot Blot)

Histone H3 dimethyl Lys14 antibody tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of Histone H3 dimethyl Lys14 antibody for histone H3 dimethylated at Lys14. Methylated peptides corresponding to the immunogen and related peptides were spotted onto PVDF and probed with the antibody at a dilution of 1:5,000. The amount of peptide (picomoles) spotted is indicated in the left lane next to each row. Top panel: Lane 1: Unmodified lysine 4. Lane 2: Monomethyl lysine 4. Lane 3: Dimethyl lysine 4. Lane 4: Trimethyl lysine 4. Lane 5: Monomethyl lysine 4 #2. Lane 6: Unmodified corresponding to amino acids 6-22 of human histone H3. Lane 7: Monomethyl lysine 9. Lane 8: Dimethyl lysine 9. Lane 9: Trimethyl lysine 9. Bottom panel: Lane 1: Unmodified lysine 27. Lane 2: Monomethyl lysine 27. Lane 3: Dimethyl lysine 27. Lane 4: Trimethyl lysine 27. Lane 5: Monomethyl lysine 14 #2. Lane 6: Dimethyl lysine 14. No detection of peptides (mono-, di-, or trimethylated) corresponding to lysine 56 of histone H3 was observed (data not shown).



WB (Western Blot)

Histone H3 dimethyl Lys14 pAb tested by Western blot. Detection of dimethylated Histone H3 by Western blot. The analysis was performed using 20 ug HeLa acid extract (10 ug, lane 1) and Histone H3 dimethyl Lys14 pAb at a 1:500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-H3K14me2 antibody	Short Description: Our Histone H3K14me2 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot; it has been shown to react with Human samples, but it is predicted that it will react with a wide range of sample types. 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). Histone H1 is a linker histone, present at the interface between the nucleosome core and DNA entry/exit points. Histone H1 is responsible for establishing higher-order chromatin structure. 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. The methylation of histones can occur on two different residues: arginine or lysine. Histone methylation can be associated with transcriptional activation or repression, depending on the methylated residue.
Product Categories/Family for anti-H3K14me2 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-h3k14me2-antibody-western-blot-elisa/59860>