

Rabbit Histone H3K23me1 Polyclonal Antibody | anti-H3K23me1 antibody

Histone H3K23me1 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59870	Rabbit	Human, Wide Range Predicted	Western Blot, Immunofluorescence, Immunocytochemistry, Dot Blot

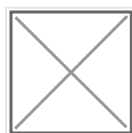
PRODUCT SYNONYMS

Histone H3K23me1; Polyclonal Antibody; Histone H3K23me1 antibody (pAb); anti-H3K23me1 antibody

PRODUCT SPECIFICATIONS

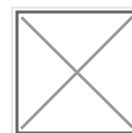
Host	Rabbit
Reactivity	Human, Wide Range Predicted
Clonality	Polyclonal
Isotype	Serum
Form/Format	Rabbit serum containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-H3K23me1 antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), DB (Dot Blot)
Conjugation	Methylated
Immunogen	This Histone H3 monomethyl Lys23 antibody was raised against a peptide containing monomethyl Lys23 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°C. Keep all reagents on ice when not in storage.

IMAGES



DB (Dot Blot)

Histone H3 monomethyl Lys23 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of Histone H3 monomethyl Lys23 pAb for monomethyl Lys23 histone H3. Methylated peptides corresponding to the immunogen and related sequences derived from histone H3 were spotted onto PVDF and probed with the antibody at 1:5,000. The amount of peptide (picomoles) spotted is indicated next to each row. Top row: Lane 1: Unmod H3 aa 1-10 peptide. Lane 2: Monomethyl lysine 4. Lane 3: Dimethyl lysine 4. Lane 4: Trimethyl lysine 4. Lane 5: Unmodified H3 aa 6-22 peptide. Lane 6: Monomethyl lysine 9. Lane 7: Dimethyl lysine 9. Lane 8: Trimethyl lysine 9. Bottom row: Lane 1: Dimethyl lysine 14. Lane 2: Monomethyl lysine 18. Lane 3: Dimethyl lysine 18. Lane 4: Trimethyl lysine 18. Lane 5: Unmod H3 aa 18-27 peptide. Lane 6: Monomethyl lysine 23. Lane 7: Dimethyl lysine 23. Lane 8: Trimethyl lysine 23. Lane 9: Unmod H3 aa 22-32 peptide. Lane 10: Monomethyl lysine 27. Lane 11: Dimethyl lysine 27. Lane 12: Trimethyl lysine 27.



WB (Western Blot)

Histone H3 monomethyl Lys23 pAb tested by Western blot. HeLa cell nuclear extract (20 ug per lane) was probed with Histone H3 monomethyl Lys23 pAb at a dilution of 1:1,000.

ADDITIONAL INFORMATION

Related Product Information for anti-H3K23me1 antibody	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. 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-H3K23me1 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-h3k23me1-antibody-western-blot-immunofluorescence-immunocytochemistry-dot-blot-elisa/59870>