

Rabbit Histone H3K56me2 Polyclonal Antibody | anti-H3K56me2 antibody

Histone H3K56me2 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59856	Rabbit	Human, Wide Range Predicted	Western Blot, Dot Blot, Chromatin Immunoprecipitation, Immunoprecipitation

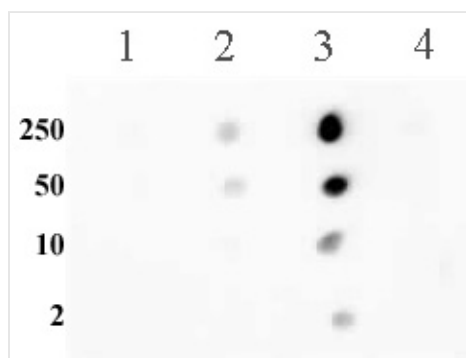
PRODUCT SYNONYMS

Histone H3K56me2; Polyclonal Antibody; Histone H3K56me2 antibody (pAb); anti-H3K56me2 antibody

PRODUCT SPECIFICATIONS

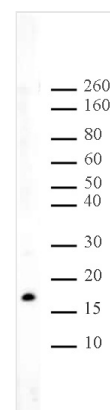
Host	Rabbit
Reactivity	Human, Wide Range Predicted
Clonality	Polyclonal
Form/Format	Rabbit serum containing 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-H3K56me2 antibody	WB (Western Blot), DB (Dot Blot), ChIP (Chromatin immunoprecipitation)
Conjugation	Methylated
Immunogen	This Histone H3 dimethyl Lys56 antibody was raised against a peptide including dimethyl-lysine 56 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 Lys56 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of Histone H3 dimethyl Lys56 pAb for monomethyl Lys56 histone H3. Methylated peptides corresponding to the immunogen and related peptides were spotted onto PVDF and probed with the antibody at 1:60,000. The amount of peptide (picomoles) spotted is indicated next to each row. Lane 1: Unmodified lysine 56 peptide. Lane 2: Monomethyl lysine 56 peptide. Lane 3: Dimethyl lysine 56 peptide. Lane 4: Trimethyl lysine 56 peptide. The Histone H3 dimethyl Lys56 pAb exhibits a 25- to 50-fold higher selectivity for dimethyl Lys56 vs. monomethyl Lys56. No detection of peptides (unmodified, mono-, di-, or trimethylated) corresponding to lysine 4, lysine 9 or lysine 27 was observed with this antibody (data not shown).



WB (Western Blot)

Histone H3 dimethyl Lys56 pAb tested by Western blot. HeLa acid extract (10 ug) was probed with Histone H3 dimethyl Lys56 pAb at a dilution of 1:10,000.

ADDITIONAL INFORMATION

Related Product Information for anti-H3K56me2 antibody	Short Description: Our Histone H3K56me2 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, Dot blot and 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). 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. Lysine 56 of histone H3 can be mono-, di- or trimethylated by different histone methyltransferases (HMTs).
Product Categories/Family for anti-H3K56me2 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-h3k56me2-antibody-western-blot-dot-blot-chromatin-immunoprecipitation-elisa/59856>