

Anti-Di-methyl-Histone H3.1 (Lys9) Antibody (9G554)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9G554
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in Mouse liver tissue-All lanes Di-methyl-Histone H3.1(K9)antibody at 0.9µg/ml-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 15 KDa <p>2. Immunofluorescence staining of Hela cells with TMAH-00347 at 1:56, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).</p>
Application:	ELISA,IF,WB
Recommended	WB:1:500-1:5000; IF:1:30-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide
Antigen Species:	Human
Gene ID:	8350
Uniprot ID:	P68431
Synonyms:	histone cluster 1, H3a;Di-methyl-Histone H3.1 (K9);H3K9me2;Histone H3K9-dimethylated; Histone H3.1;HIST1H3A, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J;DiMe-H3K9;Di-Me-Histone H3.1 (Lys9);Histone H3;Di-Me-Histone H3.1 (K9)
Biology Area:	Epigenetics and Nuclear Signaling

Research Background

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription

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regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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