

Title (en)  
ANTIBODIES SPECIFIC FOR METHYLATED LYSINES IN HISTONES

Title (de)  
ANTIKÖRPER, DIE SPEZIFISCH FÜR METHYLIERTE LYSINE IN HISTONEN SIND

Title (fr)  
ANTICORPS SPECIFIQUES AUX LYSINES METHYLEES DANS DES HISTONES

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Application  
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Abstract (en)

[origin: WO0218418A1] The present invention relates to the generation of methyllysine-specific histone antibodies. In particular, the H3 lysine 4 methylation specific antibody (Methyl(K4)H3) binds to histone H3 methylated at lysine 4. Methylation of lysine 4 (K4) on histone H3 has been associated with transcriptionally active regions of chromatin. A second antibody, H3 lysine 9 methylation specific antibody (Methyl(K9)H3) specifically binds to histone H3 methylated at lysine 9. Methylation of lysine 9 (K9) on histone H3 has been associated with gene silencing. These antibodies are useful in identifying regions of heterochromatin and euchromatin and serving as diagnostic and screening tools.

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IPC 8 full level  
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Citation (search report)

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