

# The COMPASS Family of Histone H3K4 Methylases: Mechanisms of Development and Disease Pathogenesis

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Citation Report

#	ARTICLE	IF	CITATIONS
1	ATX1-Generated H3K4me3 Is Required for Efficient Elongation of Transcription, Not Initiation, at ATX1-Regulated Genes. <i>PLoS Genetics</i> , 2012, 8, e1003111.	1.5	99
2	Chromatin and epigenetic regulation of pre-mRNA processing. <i>Human Molecular Genetics</i> , 2012, 21, R90-R96.	1.4	80
3	Radiation-induced alterations in histone modification patterns and their potential impact on short-term radiation effects. <i>Frontiers in Oncology</i> , 2012, 2, 117.	1.3	12
4	A Subset of Mixed Lineage Leukemia Proteins Has Plant Homeodomain (PHD)-mediated E3 Ligase Activity. <i>Journal of Biological Chemistry</i> , 2012, 287, 43410-43416.	1.6	33
5	Enhancer-associated H3K4 monomethylation by Trithorax-related, the <i>Drosophila</i> homolog of mammalian Mll3/Mll4. <i>Genes and Development</i> , 2012, 26, 2604-2620.	2.7	327
6	The RNA polymerase II CTD coordinates transcription and RNA processing. <i>Genes and Development</i> , 2012, 26, 2119-2137.	2.7	513
7	Transcription in the Absence of Histone H3.2 and H3K4 Methylation. <i>Current Biology</i> , 2012, 22, 2253-2257.	1.8	112
8	Introduction to Theme "Chromatin, Epigenetics, and Transcription" Annual Review of Biochemistry, 2012, 81, 61-64.	5.0	34
9	The COMPASS Family of Histone H3K4 Methylases: Mechanisms of Regulation in Development and Disease Pathogenesis. <i>Annual Review of Biochemistry</i> , 2012, 81, 65-95.	5.0	896
10	The Mll2 branch of the COMPASS family regulates bivalent promoters in mouse embryonic stem cells. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1093-1097.	3.6	165
11	The Writers, Readers, and Functions of the RNA Polymerase II C-Terminal Domain Code. <i>Chemical Reviews</i> , 2013, 113, 8491-8522.	23.0	101
12	SET1 and p300 Act Synergistically, through Coupled Histone Modifications, in Transcriptional Activation by p53. <i>Cell</i> , 2013, 154, 297-310.	13.5	147
13	Emerging roles for RNA polymerase II CTD in Arabidopsis. <i>Trends in Plant Science</i> , 2013, 18, 633-643.	4.3	74
14	Histone H2B ubiquitin ligase RNF20 is required for <i>MLL</i> -rearranged leukemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3901-3906.	3.3	103
15	Transcription-associated histone modifications and cryptic transcription. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 84-97.	0.9	160
16	Histone modifications for human epigenome analysis. <i>Journal of Human Genetics</i> , 2013, 58, 439-445.	1.1	371
17	The MLL3/MLL4 Branches of the COMPASS Family Function as Major Histone H3K4 Monomethylases at Enhancers. <i>Molecular and Cellular Biology</i> , 2013, 33, 4745-4754.	1.1	329
18	The <i>Drosophila</i> COMPASS-like Cmi-Trr coactivator complex regulates dpp/BMP signaling in pattern formation. <i>Developmental Biology</i> , 2013, 380, 185-198.	0.9	13

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20	Discovery of MLL1 binding units, their localization to CpG Islands, and their potential function in mitotic chromatin. <i>BMC Genomics</i> , 2013, 14, 927.	1.2	16
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38	The <i>Drosophila</i> Ortholog of <i>MLL3</i> and <i>MLL4</i> , <i>trithorax</i> related, Functions as a Negative Regulator of Tissue Growth. <i>Molecular and Cellular Biology</i> , 2013, 33, 1702-1710.	1.1	40
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