February 1, 2020 | Volume 18 | Number 2

MOLECULAR CANCER RESEARCH

TABLE OF CONTENTS

TABLE OF CONTENTS

RNA BIOLOGY

SIGNAL TRANSDUCTION AND FUNCTIONAL IMAGING

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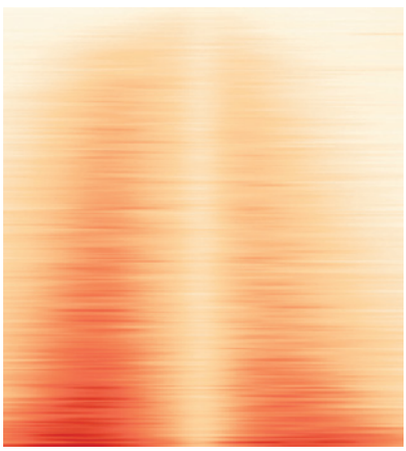
ABOUT THE COVER

Lysine-specific demethylase 1 (LSD1) is a known regulator of epigenetic marks throughout the genome, but new data from Miller and colleagues have revealed a new, non-catalytic role for LSD1 in regulating AKT activation in colorectal cancer cells. The cover depicts a chromatin immunoprecipitation-massively parallel DNA sequencing (ChIP-seq) heatmap demonstrating the global abundance of histone 3 bearing dimethylated lysine 4 (H3K4me2) throughout the genome of colorectal cancer cells. LSD1 knockdown in colorectal cancer cells had little effect on global H3K4me2 distribution and AKT pathway modulation was not explained by a change in H3K4me2 signal, thus suggesting an alternative mechanism underlying the observation. For more information, see the Highlight on page 183 and the article on page 264.



Molecular Cancer Research

18 (2)

Mol Cancer Res 2020;18:183-339.