

# **Sin3a-associated Hdac1 and Hdac2 are essential for hematopoietic stem cell homeostasis and contribute differentially to hematopoiesis**

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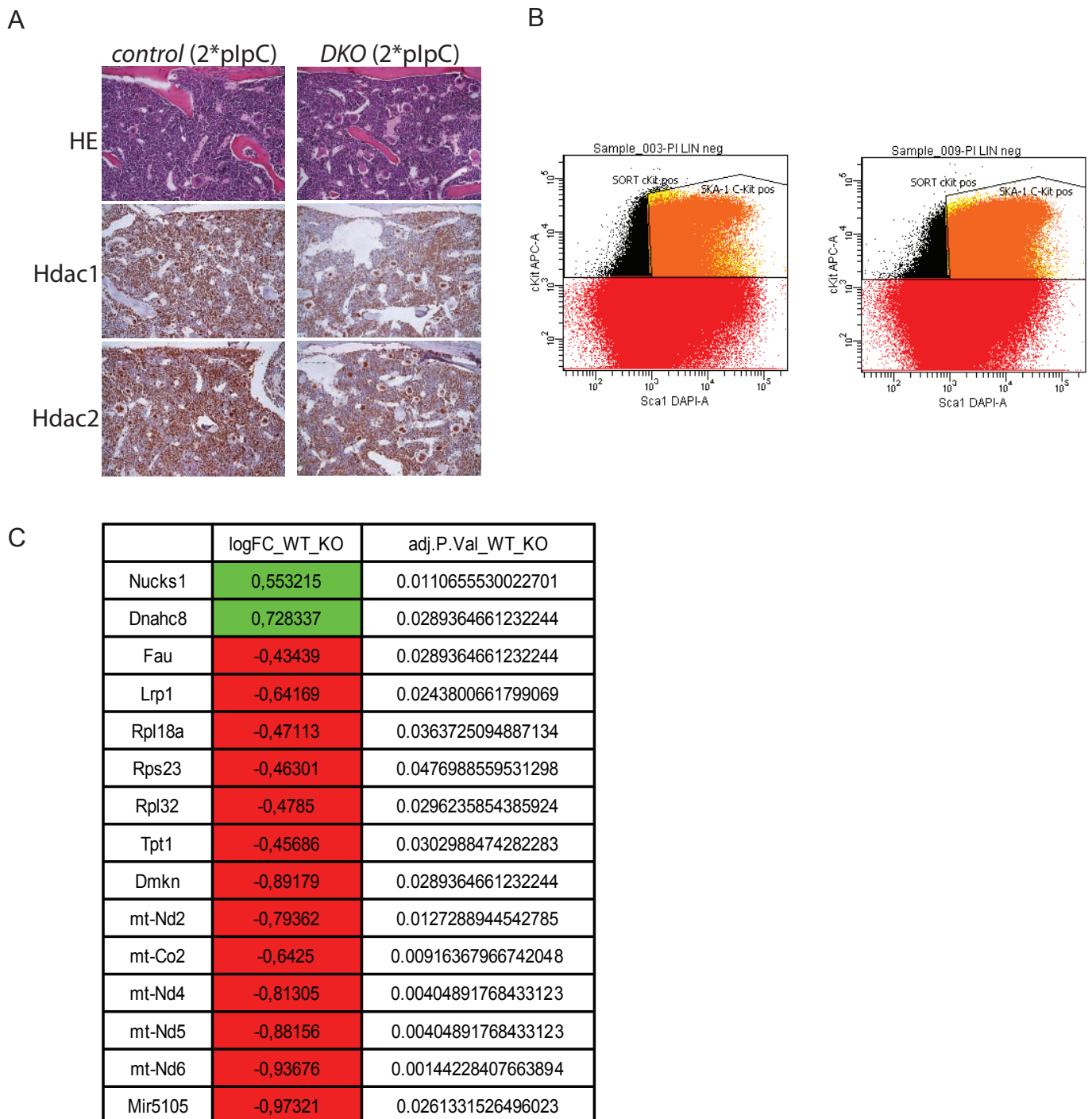
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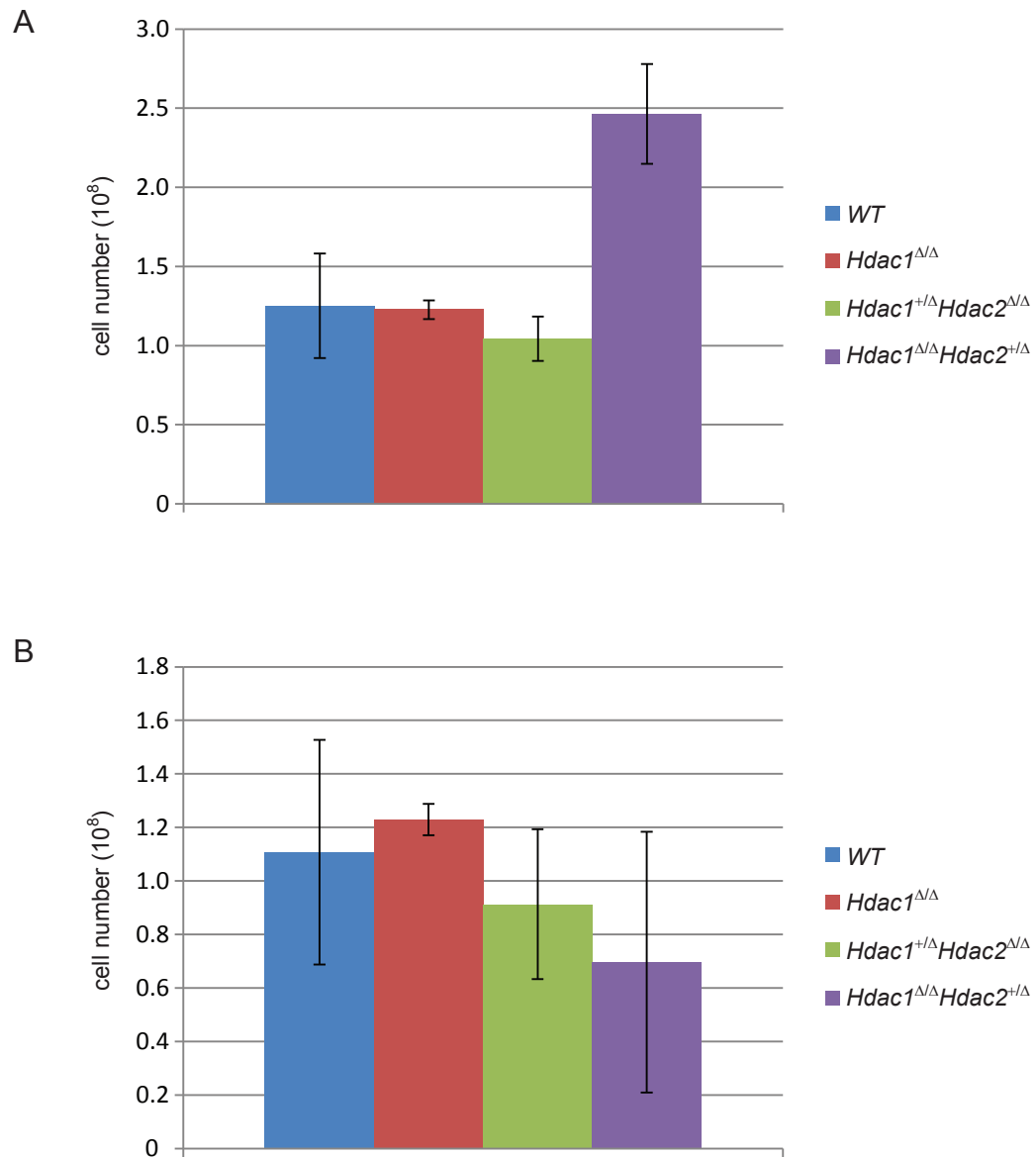
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Gene expression profiling of control versus *DKO* bone marrow **a)** Haematoxylin-eosin-stained and immunohistochemistry on paraffin tissue sections of bone marrow of the indicated genotypes, using antibodies against Hdac1 and Hdac2. **b)** Flow cytometry plots from bone marrow Lin<sup>+</sup> depleted cells, showing c-Kit and Sca1 positivity. Highly c-Kit positive progenitors were sorted and mRNA-seq was performed. **c)** Genes with expression changes induced by Hdac1 and Hdac2 deletion in 4-week-old Mx-Cre Hdac1<sup>Δ/Δ</sup>;Hdac2<sup>Δ/Δ</sup> bone marrow progenitors (adjusted P value < 0.05, fold change ≥1.5×, wt n=3 DKO n=2)



Quantification of **a**) splenocytes after erythrocyte lysis and **b**) thymocytes in mice with indicated genotypes (n=3 per group).