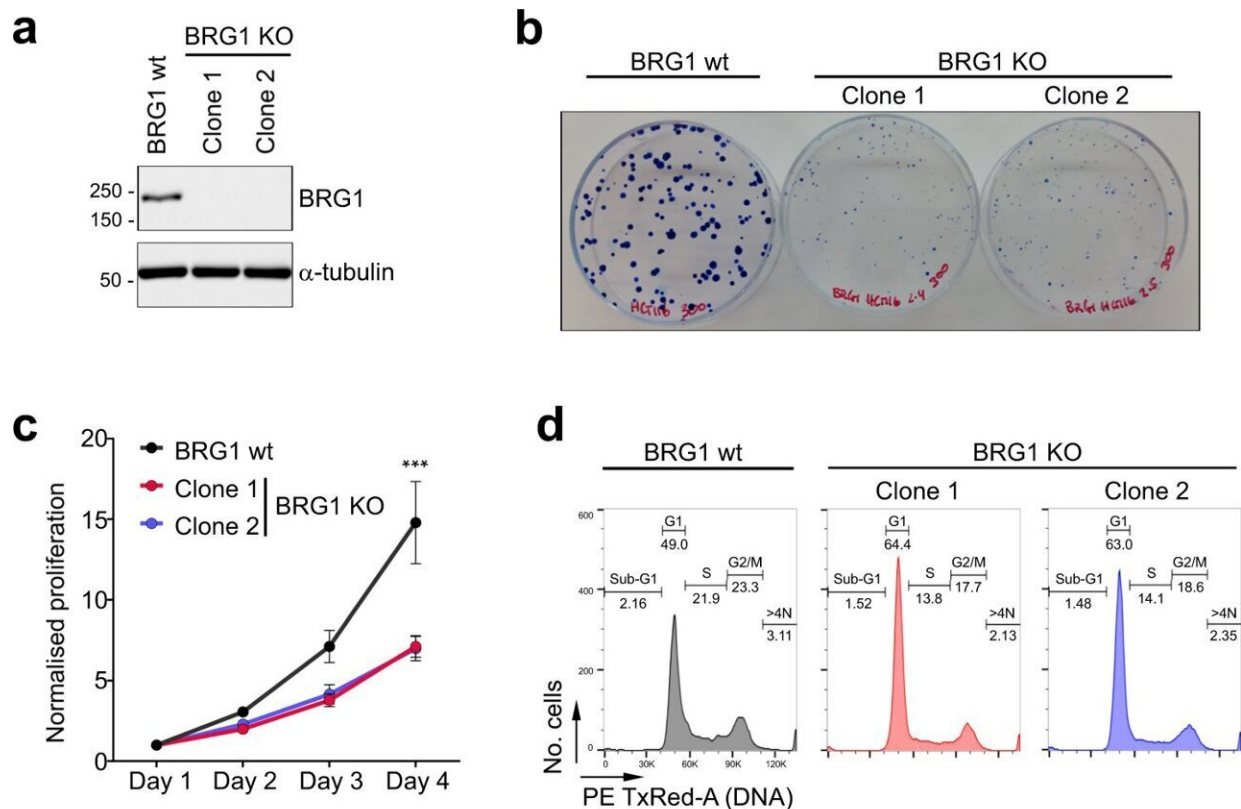


Common genetic mutation allows cancer cells to gain extra chromosomes that help them survive

May 9 2022



BRG1 loss leads to a loss of fitness and altered cell cycle profile. a Western blot analysis of BRG1 in whole-cell extracts prepared from HCT116 cells and two HCT116-derived BRG1 knockout clonal cell lines. α -tubulin was used as a loading control. Similar results were obtained in three independent repeats. b Clonogenic assay showing the difference in colony size between HCT116 cells and two BRG1 knockout clones grown for 10 days. c Normalized proliferation

from three independent experiments monitored by CellTiter-Glo Luminescent Cell Viability assay between HCT116 cells and two BRG1 knockout clones. Data were presented as the mean \pm SEM; n = 3. The p value was calculated with two-way ANOVA-Dunnet. ***p

Citation: Common genetic mutation allows cancer cells to gain extra chromosomes that help them survive (2022, May 9) retrieved 2 February 2024 from <https://medicalxpress.com/news/2022-05-common-genetic-mutation-cancer-cells.html>

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