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Oct 26, 2015 · In breast cancer, pharmacological inhibition of NF- κ B with small-molecules like parthenolide, pyrrolidinedithiocarbamate and its analog diethylthiocarbamate preferentially target breast cancer stem cells. These results underline that NF- κ B activity is critical to maintain the survival of tumor-initiating cancer stem cells.

Cited by: 191 Author: Denisa L Dragu, Laura G Necula, Coralia...
Publish Year: 2015

Targeting disseminated estrogen-receptor-positive breast ...

<https://www.nature.com/articles/s41388-020-01391-z>

Jul 16, 2020 · These data establish an integrated experimental system to investigate DTCs in bone marrow and identify combination therapy against metabolic and kinase targets as a ...

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Stem cells were reported in metastatic breast cancer biopsies, however, their role in metastatic progression remains controversial.⁹¹ The pathways controlling the growth and regenerative capacity of

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Cited by: 373 Author: Suling Liu, Max S. Wicha
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Cited by: 8 Author: Faezeh Ghasemi, Parisa Zia Sarabi, Sey...
Publish Year: 2019

Cancer metabolic pathway identified as target for therapy ...

<https://www.sciencedaily.com/releases/2020/07/200721132844.htm>

Jul 21, 2020 · University of California - Santa Barbara. (2020, July 21). **Cancer metabolic** pathway identified as **target for therapy**: Researchers identify a. ScienceDaily. Retrieved September 7, ...

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Name of Journal: *World Journal of Stem Cells*

Manuscript NO: 57903

Manuscript Type: REVIEW

Advance in metabolism and target therapy in breast cancer stem cells

Gao X *et al.* Advance in metabolism and target therapy in BCSCs

Xu Gao, Qiong-Zhu Dong

Abstract

Breast cancer, like many other cancers, is believed to be driven by a population of cells that display stem cell properties. Recent studies suggest that cancer stem cells (CSCs) are essential for tumor progression, and tumor relapse is thought to be caused by the presence of these cells. CSCs-targeted therapies have also been proposed to overcome therapeutic resistance of breast cancer after the traditional therapies. Additionally, the metabolic properties of cancer cells differ markedly from that of normal cells. The efficacy of metabolic targeted therapy has been shown to enhance anti-cancer treatment or overcome therapeutic resistance of breast cancer cells. Metabolic targeting of breast

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Cited by: 373 **Author:** Suling Liu, Max S. Wicha
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