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Targeting EZH2 as a promising strategy for cancer treatment

Irene Marchesi, Luigi Bagella

Abstract

Polycomb group (PcG) proteins represent a global silencing system involved in development regulation. In specific, they regulate the transition from proliferation to differentiation, contributing to stem-cell maintenance and inhibiting an inappropriate activation of differentiation programs. Enhancer of Zeste Homolog 2 (EZH2) is the

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methyltransferase EZH2 is an attractive therapeutic target for cancer1-3. ... represent a promising strategy for prostate cancer treatment, especially for CRPC. AR.

British Journal of Cancer - The role of EZH2 in tumour progression

www.nature.com/bjc/journal/v106/n2/full/bjc2011551a.html

20 Dec 2011 ... Finally, we will describe cancer therapies that target EZH2 or its a promising strategy for anticancer treatment targeting tumour cells, tumour....

Ovarian cancer discovery suggests new treatment strategy - Medical ...

www.medicalnewstoday.com/articles/289534.php

17 Feb 2015 ... Researchers have discovered a therapeutic target for ovarian clear cell ... The study explored the possibility of inhibiting EZH2 as a cancer ... The researchers confirmed this might be a promising way forward ... inhibition of EZH2 represents a novel treatment strategy for cancers involving ARID1A mutations.

Targeting oncogenic ALK: a promising strategy for cancer treatment.

www.ncbi.nlm.nih.gov/pubmed/21474455

Mol Cancer Ther. 2011 Apr.10(4):569-79. doi: 10.1158/1535-7163.MCT-10-0615. Targeting oncogenic ALK: a promising strategy for cancer treatment. Grande....

Update of research on the role of EZH2 in cancer progression

www.ncbi.nlm.nih.gov/pmc/articles/PMC3622432/

4 Apr 2013 ... Therefore, inhibiting EZH2 expression may be a promising strategy for ... that target EZH2 and could be potentially applied in the treatment of....

[PDF] PRAME/EZH2-Mediated Regulation of TRAIL: A New Target for ...

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pathway for cancer therapy, such as recombinant TRAIL, agonist antibodies for TRAIL receptors, and adenoviral ... promising histone methyltransferase target for cancer therapy [71]. ... adequate

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 F Crea, L Fornaro, G Bocci, L Sun, WL Farrar... - **Cancer and Metastasis** ..., 2012 - Springer
 ... cy is one of the possible mechanisms of resistance to VEGF- **targeting** agents, such as ... VEGF
 recep- tor 2 (VEGFR2) activation triggers several kinase-dependent pathways, which in turn ... at
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WR Wilson, MP Hay - **Nature Reviews Cancer**, 2011 - nature.com

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**Enhancer of zeste homolog 2 silences microRNA-218 in human pancreatic ductal
 adenocarcinoma cells by inducing formation of heterochromatin**
CH Li, KF To, JHM Tong, Z Xiao, T Xia, PBS Lai... - **Gastroenterology**, 2013 - Elsevier
 ... 3 and 4 Recently, it was shown that the gene expression regulator **enhancer of zeste homolog**
 (EZH)2 is ... Lentiviral vector containing either short-hairpin RNA (shRNA) **targeting** EZH2, or the
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D Reischl, A Zimmer - **Nanomedicine: Nanotechnology, Biology and** ..., 2009 - Elsevier

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[HTML] **Regulation of tumor angiogenesis by EZH2**

C Lu, HD Han, LS Mangala, R Ali-Fehmi, CS Newton... - **Cancer cell**, 2010 - Elsevier

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 to ... **Targeting** the tumor vasculature is a particularly attractive **strategy** because of the presumed ...
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www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ 翻译此页

作者: Z Li - 2013 - 被引用次数: 18 - 相关文章

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Targeting self-renewal pathways in cancer stem cells ...

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作者: A Borah - 2015

2015年11月30日 - Current treatment strategies in cancer fail to detect and differentiate the ... the SRPs in CSCs offer a promising target to alter their survival strategies and approach against the enhancer of zeste homolog 2 and Oct-4 genes ...

Paper: Novel Leukemia Stem Cell-Targeted Therapy for ...

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¹Division of Hematological Malignancy, National Cancer Center Research Institute, Tokyo, ... Selective targeting of LSCs is a promising strategy for the prevention and ... Enhancer of zeste homolog 1 and 2 (EZH1/2) is a catalytic component of ...

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