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Role of PARP Inhibitors in Cancer Biology and Therapy - NCBI

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作者: D Davar - 2012 - 被引用次数: 59 - [相关文章](#)

2012年8月1日 - Among the proteins it recruits, XRCC1 is crucial for DNA repair ... First, Bryant et al. showed that BRCA2-deficient cells - in which the homologous recombination PARP inhibition potentiated the clinical efficacy of alkylating agents with TMZ for metastatic colorectal cancer, 47 patients received ABT-888 ...

Sublethal concentrations of 17-AAG suppress homologous ... - NCBI

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作者: YE Choi - 2014 - 被引用次数: 12 - [相关文章](#)

2014年4月30日 - Furthermore, 17-AAG downregulated BRCA1 and/or RAD51 protein levels, and ... alterations in gene members of the homologous recombination (HR) DNA repair pathway. ... Strikingly, in the HR proficient breast cancer cell lines, pathway ... 17-AAG sensitizes HR-proficient cells to olaparib and carboplatin ...

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 28636

Manuscript Type: CASE REPORT

Efficiency of olaparib in colorectal cancer patients with an alteration of the homologous repair protein

Ghiringhelli F *et al.* Olaparib for colorectal cancer

Francois Ghiringhelli, Corentin Richard, Sandy Chevrier, Frédérique Végran, Romain Boidot

Abstract

Precision medicine is defined by the administration of drugs based on tumor's particular genetic characteristics. It is developing quickly in the field of cancer therapy. For example, *KRAS*, *NRAS* and *BRAF* genetic testing demonstrates its efficiency for precision medicine in colorectal cancer. Besides for these well-known

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2014年3月11日 - Serous epithelial ovarian cancer (EOC) is characterized by frequent genetic and ...

HDAC proteins play an important role in DNA damage response and repair [17], and SAHA

downregulates homologous recombination (HR) pathway gene ... Thus, HR efficiency in olaparib-treated

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作者: M Krajewska - 2015 - 被引用次数: 13 - 相关文章

2015年3月20日 - Particularly, defects in homologous recombination (HR)-mediated repair of ... Brca2, or

Rad51, display extensive genetic alterations which lead to early ... search for cancer-associated

mutations in HR genes, to be used for patient ... these sites prevents efficient recruitment of 53BP1 to

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作者 : G Peng - 2014 - 被引用次数 : 25 - [相关文章](#)

Homologous recombination (HR) repair deficiency predisposes to cancer ... be used both to predict defective HR repair and clinical outcome in cancer patients. Importantly, cell lines with the HRD gene signature showed reduced HR repair efficiency ... BRCA1 and PTEN deficiency alone sensitized cells to olaparib (Fig.

Suberoylanilide Hydroxamic Acid (SAHA) enhances olaparib activity ...

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2014年3月11日 - Serous epithelial ovarian cancer (EOC) is characterized by frequent genetic and ... HDAC proteins play an important role in DNA damage response and repair [17], and ... SAHA downregulates homologous recombination (HR) pathway gene ... Thus, HR efficiency in olaparib-treated HR-proficient cells was ...

Regulators of homologous recombination repair as novel targets for ...

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2015年3月20日 - Defects in HR repair are observed in various cancers, including hereditary ... SSBs can be efficiently repaired through base replacement via base excision ... Brca2, or Rad51, display