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Aberrant DNA-PKcs and ERGIC1 expression may be involved in initiation of gastric cancer

Wang F *et al.* DNA-PKcs and ERGIC1 in GC

Fu-Rong Wang, Yu-Cai Wei, Zhi-Jian Han, Wen-Ting He, Xiao-Ying Guan, Hao Chen, Yu-Min Li

Abstract

AIM

To investigate new molecular mechanisms of gastric cancer (GC) carcinogenesis.

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DNA Damage Response Genes and the Development of Cancer ...

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2014年1月7日 - DNA repair genes involved in nucleotide excision repair (2), mismatch repair ... In addition to DNA damage response gene mutations, which can either be ... between specific aberrant DNA repair pathways and human cancer. ... in skin and testicular cancer, and variant expression of ERCC1 (excision repair ...

Epigenetic changes of DNA repair genes in cancer - NCBI - NIH

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As an alternative mechanism to genetic mutation, a DNA repair system may The genes RAD23A and ERCC1, which are involved in DNA damage ... BRCA1 is most often methylated in breast and OC but also in gastric cancer Aberrant patterns of DNA methylation, chromatin formation and gene expression in cancer.

DNA Methyltransferases (DNMTs), DNA Damage Repair, and Cancer

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Aberrant expression of DNMTs and disruption of DNA methylation patterns are ... More importantly, DNMT1 may be directly involved in DNA damage repair in a DNA ... by hypermethylation in tumors

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aberrant dna hypermethylation: Topics by Science.gov

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Significantly reduced **expression** of miR-29c distinguished basal-like breast cancers ... **Aberrant** methylation of hypermethylated-in-cancer-1 and exocyclic **DNA** adducts in **may** be mediated by down-regulation of TET family genes **involved** in **DNA** ... tumor suppressor gene DAL-1 due to hypermethylation in **gastric cancer**.

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2009 **May** 11;206(5):981-9. doi: 10.1084/jem.20090528. Disruption of Wnt planar cell polarity signaling by **aberrant** accumulation of the MetAP-2 substrate Rab37. Real-time bioluminescence and tomographic imaging of **gastric cancer** in a requires ATM and **DNA-PK**-induced histone H2AX Ser139 phosphorylation.

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2015年8月20日 - Elevated **expressions** of TPX2 mRNA were observed in all HCC cell In this study we investigated the mechanisms underlying **aberrant expression** of IDO in MDSCs. ... of diverse **DNA** copy-number events that **may** be selected during ... UBE2C were associated with **expression** of a gene module **involved** ...

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divergence **may** explain in part why the loss of dopamine neurons results in incapable of providing sustained gene **expression** in the brain.31. NTS-polyplex was ... NTS-polyplex was formed at 1:833:36 molar ratio (pEGFP-N1, 6 nM: **PK**, 5 μ M: The karyophilic peptide is electrostatically bound to a plasmid **DNA** (pDNA).

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Arthur Kornberg and worked with them at IMSUT and Stanford in **DNA** replication and the translation of puberty **might be involved** in the onset of puberty.