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https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3020046/
31 Oct 2013 ... Autophagy, an evolutionarily conserved lysosomal degradation pathway and the p53 upregulated modulator of apoptosis (PUMA) have been shown to be important in cancer biology. Here, we report that Beclin-1-binding protein, a key mediator of autophagy, is normally downregulated in HCC when exogenously expressed, can inhibit cell growth, and promotes cell death.

High-mobility Group Box 1 (HMGB1) and Cancer
pubmedcentral.canada.ca/pmc/articles/PMC2618552/
High-mobility group box 1 protein (HMGB1), a chromatin associated nuclear protein and a secreted cytokine, is a key mediator of autophagy. In this study, we investigated the role of HMGB1 in hepatocellular carcinoma cells.

Frontiers | Mechanisms of Therapeutic Resistance in Cancer (Stem ... journal.frontiersin.org/article/10.3389/fendo.2014.00037/full
11 Mar 2014 ... Suppression of PTTG gene expression coincides with an upregulation of DNA repair enzymes in apoptosis. The influence of HMGB1 on stem/progenitor cells is mediated via...
CMA Down-regulated the p53 Expression through Degrading HMGB1 Protein to Inhibit Irradiation-triggered Apoptosis In Hepatocellular Carcinoma

Jing-Hua Wu, Jia-Pei Guo, Jun Shi, Hui Wang, Lei-Lei Li, Bin Guo, Dian-Xing Liu, Qing Cao, Zhi-Yong Yuan

Abstract

AIM

To investigate the effect of chaperone-mediated autophagy on reduction irradiation-triggered apoptosis through regulating the p53 protein in
CMA down-regulated the p33 expression through degrading HMGB1 protein to...

Survival or death: disequilibrating the oncogenic and tumor suppressor... - NCBI
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3020045/
31 Oct 2013 ... Keywords: autophagy, cancer, oncogene, tumor suppressor, DRAM1 and the p33 up-regulated modulator of apoptosis (PUMA). HMGB1, as a novel Bax-inhibiting protein, has a key role in... downregulated in HCC when exogenously expressed, can inhibit CMA, chaperone-mediated autophagy.

High-mobility Group Box 1 (HMGB1) and Cancer
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2818552/
High-mobility group box 1 protein (HMGB1), a chromatin associated nuclear protein... The expression of HMGB1 is regulated by transcription factors such as p33 [34]. In pull-down assays, HMGB1 interacts directly with the p33 subunit via its... HMGB1 is an inhibitor of yeast cell death induced by the pro-apoptotic Bcl-2...

Mechanisms of Therapeutic Resistance in Cancer (Stem) Cells with...
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25 Mar 2014 ... Radiation-induced thyroid tumors are the direct result of... Suppression of PTG2 gene expression coincides with an up-regulation of DNA repair proteins in thyroid... In the absence of apoptosis, differentiation of PC-3 cells was inhibited... The influence of HiMG1 on stem/progenitor cells is mediated via...

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6 days ago ... Keywords: Hepatocellular carcinoma, Tumor necrosis factor-alpha, apoptosis, DNA repair... to current chemotherapeutics via the dysfunction of signaling pathways... that HepG2 cell was resistant to TNFα-induced apoptosis as comparing to the... 308 proteins were with up-regulated and down-regulated expression in...

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23 Aug 2012 ... In CMA the cytosolic... Autophagy is induced in hypoxic regions of tumor cells [8] ... Moreover, changes in proteins regulating apoptosis can also lead to a... Beclin1
CMA down-regulated the p53 expression through degrading HMGB1 protein to

High-mobility Group Box 1 [HMGB1] and Cancer
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缺少字词：cma degrading

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2013年10月31日 - Keywords: autophagy, cancer, oncogene, tumor suppressor, microRNA .... HMGB1, as a novel Beclin-1-binding protein, has a key role in .... be p53-mediated tumor expression through an mTORC1 signaling. .... Moreover, miR-375, normally downregulated in HCC when exogenously expressed, can inhibit ...

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