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Role of autophagy in tumorigenesis, metastasis, targeted therapy and drug resistance of hepatocellular carcinoma

Huang F *et al.* Autophagy in hepatocellular carcinoma

Fang Huang, Bing-Rong Wang, Yi-Gang Wang

Abstract

Autophagy is a “self-degradative” process, and is involved in the maintenance of cellular homeostasis and the control of cellular components by facilitating the clearance or turnover of long-lived or misfolded proteins, protein aggregates, and damaged organelles. Autophagy plays a dual role in cancer, including tumor progression and tumor promotion, suggesting that autophagy acts as a double-edged sword in cancer cells. Liver cancer is one of

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2017年11月23日 - Keywords: Hepatocellular carcinoma Sorafenib Autophagy Drug resistance ... function, tumor size, vascular invasion, and the presence of extrahepatic metastasis. .... target for overcoming sorafenib resistance in the treatment of HCC. .... EP: Autophagy: mechanisms, regulation, and its role in tumorigenesis.



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## Autophagy in cancer metastasis | Oncogene - Nature

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作者: Z Wang - 2014 - 被引用次数: 16 - 相关文章

2014年2月26日 - Based on current information, autophagy plays a dual role in cancer .... Autophagy is known to suppress tumorigenesis in healthy cells, ... Autophagy is known to promote cancer resistance to chemotherapy. ... radiation therapy are used to treat single or solitary liver metastases or ..... Nat Rev Drug Discov.