

综述

## 线粒体DNA氧化损伤与肿瘤发生

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摘要

关键词 [DNA, 线粒体; 氧化损伤; 肿瘤](#)

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## Correlation between oxidative injury of mitochondrial DNA and tumorigenesis

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### Abstract

<FONT face=Verdana>Mitochondrial DNA lies in the very position that reactive oxygen species(ROS) functions most frequently, and is the main target of ROS attack. Data showed that oxidative injury and mutations of mitochondrial DNA could be found over 90% of tumors. Mitochondrial DNA is prone to suffering from extensive oxidative injury, and the consequent mutations are likely to induce tumorigenesis. The correlation between oxidative injury of mitochondrial DNA and tumorigenesis has become one of the new tendencies of probing into the mechanisms of tumorigenesis. Here we introduce the development in this research.</FONT>

**Key words** [DNA](#) [mitochondrial](#) [Oxidative injury](#) [Neoplasms](#)

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