

综述

## p73蛋白介导肿瘤耐药的研究进展

郑婷婷, 李敏\*

(北京大学医学部天然药物及仿生药物国家重点实验室, 北京 100191)

收稿日期 2008-9-8 修回日期 网络版发布日期 2009-2-9 接受日期

**摘要** p53家族成员之一p73拥有众多亚型蛋白, 分别在细胞周期、有丝分裂、细胞凋亡、肿瘤发生发展等方面发挥与p53蛋白相同或相反的作用。肿瘤细胞发生耐药是化疗失败的主要原因之一, 而p73蛋白的某些亚型被证明与肿瘤细胞耐药密切相关。本文综述了p73的结构与功能, 及其与肿瘤细胞耐药相关性的研究进展。

**关键词** [p73蛋白](#); [p53蛋白](#); [多药耐药](#); [肿瘤](#)

**分类号** [R730.1](#) [R962.1](#)

## Drug resistance mediated by p73 subtypes in cancer chemotherapy: research advances

ZHENG Ting-ting, LI Min

(State Key Laboratory of Natural and Biomimetic Drugs, Health Science Center, Peking University, Beijing 100191, China)

### Abstract

p73 protein, one of the p53 protein family's members, has lots of subtypes, which exert analogous or adverse effects on some aspects to p53 protein, such as cell cycle, mitosis, apoptosis, development of tumor and so on. The drug resistance of tumour is one of the major reasons of chemotherapeutic failure. Moreover, it has been approved that there is a close relationship between certain subtypes of p73 proteins and tumor drug resistance. Here this article focuses on the structures and functions of p73 proteins, and the research progress in drug resistance mediated by p73 proteins.

**Key words** [p73 protein](#) [p53 protein](#); [multi-drug resistance](#) [tumor](#)

DOI:

通讯作者 李敏 [limin@bjmu.edu.cn](mailto:limin@bjmu.edu.cn)

### 扩展功能

#### 本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(1255KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [参考文献](#)

#### 服务与反馈

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [复制索引](#)
- ▶ [Email Alert](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

#### 相关信息

- ▶ 本刊中 包含“[p73蛋白](#); [p53蛋白](#); [多药耐药](#); [肿瘤](#)”的 [相关文章](#)
- ▶ 本文作者相关文章

- [郑婷婷](#)
- [李敏](#)