

论著

# 中国辽宁汉族群体DNA修复基因: ERCC2/XPD A35931C 遗传多态性

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**摘要** DNA修复基因在保护维持基因组整体性及抗癌发生过程中起着重要作用, DNA修复基因的产物:ERCC2/XPD参与核苷酸切除修复过程。单核苷酸多态的群体遗传学信息对于遗传疾病的研究是非常重要的。我们调查了中国辽宁汉族群体DNA修复基因: ERCC2 A35931C 遗传多态性。ERCC2 A35931C基因型频率: AA=0.95; AC=0.05; CC=0, 基因型分布符合Hardy-Weinberg遗传平衡定律(P=0.77); ERCC2 A35931C等位基因频率: A=0.98; C=0.02。研究结果与前期所报道的其他群体的该等位基因频率分布进行比较。

**关键词** [DNA修复基因](#) [ERCC2/XPD A35931C](#) [遗传多态性](#) [中国汉族](#)

分类号

## Polymorphism of DNA repair genes: ERCC2 A35931C in Han Chinese from Liaoning Province

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**Abstract** DNA repair systems are responsible for maintaining the integrity of the genome and play a critical role in protecting against mutations that can lead to cancer. DNA repair gene products of ERCC2/XPD are involved in nucleotide excision repair pathway. Population information on polymorphisms is essential for the study of genetic diseases. We reported the genetic polymorphism of ERCC2 A35931C in Han Chinese from Liaoning Province. The genotype frequencies were 0.98 (AA), 0.05(AC), and 0.00(CC); and allele frequencies were 0.98 (A) and 0.02 (C), respectively. The present study results were compared with ones of the previously reported control populations.

**Key words** [DNA repair genes](#) [ERCC2 A35931C](#) [Genetic polymorphisms](#) [Han Chinese](#)

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