

综述

ficolins基因多态性与临床疾病易感性的研究进展

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摘要 ficolins是天然免疫中的一种模式识别分子,最早被作为转化生长因子 β_1 结合蛋白从猪子宫内膜中分离而来。ficolins与甘露聚糖结合植物凝集素功能相似,能结合病原微生物的糖类配基,通过补体途径和调理吞噬作用消灭病原体,在天然免疫中发挥重要作用。迄今为止,已发现M-ficolin, L-ficolin和H-ficolin 3种人类ficolin蛋白,分别由*FCN1*, *FCN 2*和*FCN3*基因编码。随着研究的深入,越来越多的学者开始关注*FCN*基因多态性与疾病易感性之间的关系。大量研究发现,*FCN*基因多态性与疾病的易感性、严重性及疾病的发生发展密切相关。本文就*FCN*基因多态性与相关疾病易感性间的关系进行简述。

关键词 [ficolins](#) [基因多态性](#) [疾病易感性](#)

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Progress of genetic polymorphism in ficolins and disease susceptibility

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Abstract

Ficolins are pattern-recognition molecules, which were originally identified as transforming growth factor β_1 -binding proteins on porcine uterus membranes. The human ficolins, similar to the mannan-binding lectin, can bind to N-acetylglucosamine (GlcNAc) on the microbial cells and appear to be of major importance for innate immunity and tissue homeostasis. Three ficolin genes have been identified in humans: *FCN1*, *FCN2* and *FCN3*, which encode M-ficolin, L-ficolin and H-ficolin respectively. Recently, the role of the ficolins gene in disease has been emphasized. This review focuses on the recently discovered genetic polymorphism in *FCN* and the susceptibility of relative diseases.

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