

# TRIM44蛋白在肿瘤中的研究进展

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**Title:** Research progress of TRIM44 protein in cancer

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**关键词:** TRIM; TRIM44; 肿瘤; 泛素化; E3连接酶

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**摘要:** TRIM44 (tripartite motif-containing 44) 是TRIM家族成员, 含有B-box、coiledcoil和锌指结构域(RING finger)。TRIM家族作为E3连接酶参与泛素化过程, 该酶负责从E2结合酶上转移泛素到特定的靶点上。TRIM蛋白与很多生理学过程有关, 包括细胞增殖、DNA修复、信号转导和转录。已有研究证实TRIM蛋白参与肿瘤发生和发展, 并且与肿瘤的不良预后有关, TRIM蛋白有望成为肿瘤治疗的新靶点。本文从TRIM44蛋白的基本信息、在肿瘤发生发展中的机制、TRIM44在肿瘤中的研究进展进行阐述。

**Abstract:** Tripartite motif-containing 44 (TRIM44) is a member of the TRIM family and contains B-box,coiledcoil and RING finger.The TRIM family is involved in the ubiquitination process as an E3 ligase,which is responsible for the transfer of ubiquitin from E2 binding enzymes to specific targets.TRIM protein is involved in many physiological processes,including cell proliferation,DNA repair,signal transduction and transcription.Studies have confirmed that TRIM protein is involved in tumorigenesis and development and is associated with poor prognosis of tumors.TRIM protein is expected to become a new target for tumor therapy.This article describes the basic information of TRIM44 protein,the mechanism of tumorigenesis and development and the research progress of TRIM44 in tumor.

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**备注/Memo:** -

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