

综述

TNF相关的凋亡诱导配体与肿瘤

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摘要

TNF相关的凋亡诱导配体(TNF-related apoptosis-inducing ligand, TRAIL), 属于TNF超家族成员, 又称为Apo-2L, TRAIL能诱导多种肿瘤细胞的凋亡, 而正常的细胞却对其不敏感, TRAIL主要通过与其受体结合激活caspase-8, 启动非线粒体和线粒体依赖途径导致细胞凋亡。部分肿瘤细胞对TRAIL的敏感性较差, 其原因与TRAIL的受体、信号转导途径激酶以及相关蛋白存在密切联系。

关键词 [TNF相关的凋亡诱导配体; 受体; 信号途径; 敏感性; 肿瘤](#)

分类号

TNF-related apoptosis-inducing ligand and tumor

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Abstract

TNF-related apoptosis-inducing ligand(TRAIL) is one of the members of TNF family, also known as Apo-2L. TRAIL can induce apoptosis of many kinds of cancer cells, whereas no-toxic to normal cells. TRAIL induces apoptosis through activation of its DRs, DR4 and DR5, then caspase-8 is activated, This leads to cleavage and activation of caspase-8 and the initiation of two different apoptotic pathways: mitochondrial-independent and mitochondrial dependent manner. However, many cancer cells in vitro are resistant to apoptosis-inducing effect of TRAIL, which are closely related to its receptors, protein kinases and some related proteins.

Key words [TNF-related apoptosis-inducing ligand; receptor; signaling pathway; sensibility; tumor](#)

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