

论著

# 消化腺提取物对肿瘤细胞的抑制作用

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**摘要** 背景与目的: 研究消化腺提取物对小鼠移植瘤模型的抑制作用。材料与方法: 将肝癌H22、肉瘤S180和人胃癌MGC-803细胞株移植到小鼠或裸鼠体内, 建立荷瘤动物模型, 连续灌胃给予消化腺提取物(EDG)后, 分期测量肿瘤体积和瘤重。结果: 给予EDG后, 荷瘤鼠的瘤体生长速度明显减慢, 相对肿瘤体积明显缩小(P<0.01); 肿瘤增殖率均未超出60%; 肿瘤体积抑制率达到43.7%以上; EDG各剂量组的瘤体重量明显减轻。结论: 消化腺提取物对荷瘤小鼠具有明显的抑制肿瘤生长作用。

**关键词** [生物制剂](#); [消化腺](#); [抗肿瘤](#); [药效](#)

## Inhibitory Effect of Extracts of Digestive Gland on Proliferation of Tumor Cells

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**Abstract** **BACKGROUND & AIM:** To study the inhibitory effect of extracts of digestive gland on tumor cells using the mice tumor model. **MATERIALS AND METHODS:** Tumor cells of H22, S180 and MGC-803 were transplanted into mice, the extract was given through the gastrointestinal tract continuously, and the volume of the tumor was measured at different stages. **RESULTS:** After treatment with the digestive gland extract, the tumor development velocity in tumor bearing mice decreased significantly, and the tumor volume was markedly reduced. The tumour proliferation ratio was less than 60%, the tumor volume reduction ratio was more than 43.7%, and the tumor weight was decreased significantly after different doses of the extracts. **CONCLUSION:** Extract of digestive gland has obvious suppressive effect on tumor development.

**Keywords** [biology produce](#) [digestive gland](#) [anti-tumor](#) [drug effect](#)

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