

论著

小鼠EP瘤细胞株建立的初步实验研究

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摘要 背景与目的: 探讨淋巴细胞通过诱导能否成为肿瘤细胞。材料与方法: 应用小鼠黑色素瘤细胞培养液离心的上清液, 再经过滤所获滤液, 稀释成不同浓度, 用于淋巴细胞体外培养诱导, 通过体外培养和动物试验进行成瘤性及体内体外传代特性观察。结果: 荷B16瘤体4个月的小鼠淋巴结内分离细胞, 体外诱导成瘤细胞, 命名为EP瘤细胞。其体内可稳定成瘤传代, 体外初期呈肿瘤细胞生长特征, 传代中逐步丧失。结论: 初步证明淋巴细胞可以在特定环境中转变为肿瘤细胞。

关键词 [癌起源](#); [肿瘤](#); [淋巴细胞](#)

Study on Establishing Mouse EP Tumor Cell Line

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Abstract **BACKGROUND & AIM:** To explore whether lymphocytes could be induced into tumor cells. **MATERIALS AND METHODS:** Lymphocytes were cultured and induced with different concentrations of the culture medium supernatant of tumor cells. Cell culture and animal experiments were employed to study growth characteristics, tumor_ forming ability and subculturing features. **RESULTS:** The lymphocytes acquired from a mouse carrying B16 tumor for 4 months, were cultured into a strain of tumor, named EP tumor strain, which could subcultured and form tumors in vivo. The characteristics of tumor cells became less obvious with increasing passaging, and ultimately disappeared in the sixth to seventh generation. **CONCLUSION:** Lymphocytes could transform into tumor cells under specified conditions.

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