

论著

# HSP70基因在人胃癌、食道癌及宫颈癌中高表达和癌变关系的研究

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**摘要** 背景与目的: 对人的胃癌、食道癌及宫颈癌的癌组织中HSP70基因的表达进行研究, 为了解细胞癌变机制和对癌症的基因治疗提供依据。材料与方法: 由医院手术室提供癌组织(胃癌、食道癌、宫颈癌)样本, 分离出癌组织、癌旁组织和正常组织, 分别按异硫氰酸胍法提取RNA, 并进行1%琼脂糖电泳, 再将RNA从凝胶中转移到(Northern blot)滤膜中, 之后采用人的HSP70基因探针P17与人的胃癌、食道癌及宫颈癌的癌组织中提取的RNA进行Northern杂交。结果: 从胃癌、食道癌、宫颈癌样本分离的癌组织均出现了比相应正常组织较强的杂交信号。结论: HSP70基因癌组织中高表达, 表明该基因在组织癌变过程中起着重要的作用。从而为了解细胞癌变机制和对癌症的基因治疗提供了有价值的证据。

**关键词** [HSP70表达](#); [Northern 杂交](#); [胃癌](#); [食道癌](#); [宫颈癌](#)

## High Level Expression of HSP70 Gene in Tissues of Gastric, Esophageal and

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**Abstract** **BACKGROUND & AIM:** To study the expression of HSP70 gene from tissues of Gastric carcinoma, Esophagus carcinoma and Cervical carcinoma. **MATERIAL AND METHODS:** Tissue samples of cancers (gastric carcinoma, esophagus cancer, cervical carcinoma) were obtained from operating room of hospital. RNA was extracted according to the cyanic acid guanidine law of different sulphur separately, RNA separation carried out with 1% agarose electrophoresis. RNA was transferred from the straining gel to (Northern blot) the membrane, and then using HSP70 gene probe P17 was applied to the RNA from gastric carcinoma, esophagus carcinoma and cervical carcinoma. **RESULTS:** The results indicates that HSP70 gene plays an important role in the development of cancer. It also provided valuable clues for the understanding of mechanism of cancer genesis and gene treatment for cancer.

**Keywords** [expressing of HSP70 gene](#) [Northern blotting](#) [gastric carcinoma](#) [esophagus cancer](#) [cervical carcinoma](#)

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