

Expression of FHIT Protein in Lung Cancer by Cell Array

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摘要

Background and objective Fragile histidine triad (FHIT) is a candidate tumor suppressor gene. Aberrance of FHIT has been observed in multiple carcinomas induced by environmental carcinogens, especially in lung cancer. In this study, the expression of FHIT protein in cell array was detected to further development of cell array and for a rapid, simple, and economical method. Methods The lung cancer samples were collected from the Tianjin Medical University General Hospital, the First Central Hospital and the Tianjin Chest Hospital from May to August in 2005. A total of 112 dots cell array were constructed in this study including the pleural fluid of 50 cases of lung cancer and 6 cases of normal, the cell array was done with the home-made cell array survey setting. Immunohistochemical stains were performed. Results All points rank in a good order without distortion in cell array. After IHC stains of FHIT, the number of cells did not decrease. The positive expression was totally the same to that from the tissue microarray. Conclusion Cell array is a rapid and high-throughput technique with high specificity, which could be broadly used in the clinical diagnosis and the screen of epidemiology.

关键词

Cell array; Cell array survey setting; Immunohistochemistry


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
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