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**ALTERED GENE EXPRESSION IN RADIATION INDUCED  
TUMORIGENESIS OF NIH3T3 CELLS REVEALED BY  
MICROARRAY**

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The recent development of cDNA microarray or cDNA chip technology has made it possible to analyze the expression of thousands of genes at once. In present study, we made radioresistant clones (#1 and #4) from NIH3T3 cells which are not tumorigenic and we identified 4 genes using microarray system, *cdk6*, *cdc25B*, *mdm-2* and *nidogene*, which were altered in radiation resistant NIH3T3 cells. Since these cells induced tumorigenesis, we may conclude that these gene alteration may affect tumor generation.

keyword : Radiation resistance, NIH3T3 cells, Tumorigenesis, Microarray