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iASPP和ASPP2在非小细胞肺癌组织中的表达及其与临床特征的关系 [点此下载全文](#)

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**摘要:**

**摘要 目的:** 检测人非小细胞肺癌 (non-small cell lung cancer, NSCLC) 组织中P53凋亡刺激蛋白 (apoptosis stimulating protein of P53, ASPP) 家族的iASPP、ASPP2以及P53蛋白的表达, 并探讨iASPP、ASPP2表达与P53蛋白表达及NSCLC临床病理特征的关系。方法: 收集2005年1月至2005年12月贵阳医学院附属医院NSCLC术后的新鲜肺癌组织54例、癌组织边缘2 cm以外的癌旁组织44例用于研究。采用免疫组织化学与Western blotting方法检测肺癌组织、癌旁组织中iASPP、ASPP2和P53的表达情况; 比较iASPP、ASPP2在肺癌组织与癌旁组织中表达的差异, 并分析其与P53表达及临床病理特征的相关性。结果: P53阴性时, NSCLC组织中iASPP蛋白表达阳性率为71.4%, 显著高于癌旁组织的21.7% ( $P=0.001$ ), NSCLC组织与癌旁组织中ASPP2蛋白表达率的差异无统计学意义; NSCLC组织iASPP表达水平显著高于癌旁组织 [ $0.57 \pm 0.36$ ] vs [ $0.28 \pm 0.24$ ],  $P=0.001$ ], ASPP2表达水平在癌组织与癌旁组织中差异无统计学意义。P53阳性时, 癌组织、癌旁组织中的iASPP、ASPP2蛋白表达差异均无统计学意义 ( $P>0.05$ )。P53阴性时癌组织中iASPP蛋白的表达显著高于P53阳性组织中的表达 ( $P<0.05$ ), P53阳性时癌组织中ASPP2蛋白表达与P53阳性组织中表达的差异无统计学意义。不同性别、年龄、病理类型、病理分级、临床分期的iASPP、ASPP2蛋白表达差异无统计学意义。结论: 人NSCLC组织中iASPP表达与P53表达状态有关, P53阴性时iASPP高表达。iASPP、ASPP2蛋白表达与NSCLC临床病理特征无明显相关性。

**关键词:** [癌](#) [非小细胞肺](#); [iASPP](#); [ASPP2](#); [P53](#)

iASPP and ASPP2 expressions in non-small cell lung cancer tissues and their relationship with clinical characteristics [Download Fulltext](#)

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**Abstract:**

**Abstract Objective:** To investigate expressions of iASPP and ASPP2 proteins in primary non-small cell lung cancer (NSCLC), and their relationship with P53 expression and the clinical characteristics of NSCLC. Methods: Specimens of 54 non-small cell lung cancer (NSCLC) patients, who were treated by surgery from Jan. to Dec. 2005 in Hospital of Guiyang Medical College, were included in this study. The expressions of iASPP, ASPP2 and P53 proteins were detected by immunohistochemistry staining and Western blotting analysis. iASPP and ASPP2 differential expressions in NSCLC tissues and adjacent cancer tissues and their relationship with P53 expression and clinical characteristics of NSCLC were analyzed. Results: The positive expression rate of iASPP in P53-negative NSCLC tissues was 71%, which was significantly higher than that in the 4 adjacent cancer tissues (21%,  $P=0.001$ ). ASPP2 protein expression in NSCLC tissues was not significantly different from that in the adjacent lung tissues. iASPP expression in NSCLC tissues was significantly higher than that in the adjacent cancer tissues ( $[0.57 \pm 0.36]$  vs [ $0.28 \pm 0.24$ ],  $P=0.001$ ). ASPP2 expression in NSCLC tissues was not significantly different from that in the adjacent lung tissues. iASPP and ASPP2 protein expressions in P53 positive NSCLC tissues were similar to those in the adjacent cancer tissues ( $P>0.05$ ). iASPP protein expression in P53-negative NSCLC tissues was significantly higher than that in P53-positive NSCLC tissues ( $P<0.05$ ). ASPP2 protein expression in P53-negative NSCLC tissues had no significant difference with that in P53-positive NSCLC tissues ( $P<0.05$ ). iASPP and ASPP2 protein expressions in NSCLC patients were similar in patients of different genders, ages, pathology types, pathology grades, and clinical stages. Conclusion: iASPP expression is correlated with P53 expression in NSCLC tissues, with iASPP highly expressed in P53-negative NSCLC tissues. Expressions of iASPP and ASPP2 proteins have no correlation with the clinical characteristics of NSCLC.

**Keywords:** [carcinoma](#) [non-small cell lung](#); [iASPP](#); [ASPP2](#); [P53](#)

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