

*Review Article*

**Roles of caveolin-1 on anoikis resistance in non small cell lung cancer**

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**Abstract:** Advance therapies which effectively reduce mortality in lung cancer patients become a global health challenge nowadays. Sufficient knowledge regarding cellular and molecular basis of cancer progression and metastasis would possibly help in the development of novel and effective strategies for the treatment of this disease. This review focuses on the information regarding the role and mechanism of caveolin-1 (Cav-1) protein on anoikis in Non Small Cell Lung Cancer (NSCLC). NSCLC accounts of approximately 80% of all diagnosed lung cancer cases which patients frequently presented with metastatic disease. Like other cancers, caveolin-1 (Cav-1) has been shown to play an important role in regulating cancer-cells behaviors including apoptosis resistance and metastasis. Even though further investigations as well as in vivo experiments are required, these data are of great interest and may be beneficial to the development of lung cancer therapy. (IJPPP1207001).

**Keywords:** Caveolin-1 (Cav-1), anoikis resistance, Non Small Cell Lung Cancer (NSCLC), cancer therapy, apoptosis resistance, metastasis

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