



**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 60502

**Manuscript Type:** MINIREVIEWS

**Detection of short stature homeobox 2 and RAS-associated domain family 1 subtype**

**A DNA methylation in interventional pulmonology**

Wu J *et al.* DNA methylation in interventional pulmonology

Jian Wu, Peng Li

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Author: Juanhong Shi, Xue Chen, Long Zhang,... Publish Year: 2020

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Author: Juanhong Shi, Xue Chen, Long Zhang,... Publish Year: 2020

## [DNA Methylation Analysis of the SHOX2 and RASSF1A Panel ...](#)

<https://www.jcancer.org/v08p3585.htm> ▾**Abstract**

Introduction

Patients and Methods

Results

Discuss



Introduction:Currently the majority of lung cancer patients are diagnosed as advanced diseases for no sensitive and specific biomarkers exist, noninvasive biomarkers with high sensitivity and specificity are urgently needed in lung cancer diagnosis. Bronchoscopy is a standard procedure of the diagnostic work-up of patients with suspected lung cancer despite of the limited diagnostic accuracy. Besides, epigenetic changes through DNA methylation play an important role in tumorigenesis. Thus, we examined the abe...

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Mar 10, 2021 · Among them, PTGER4, RASSF1A, and SHOX2 methylation biomarkers showed high potential in the diagnosis and prognosis of lung cancer. Kneip C et al. performed DNA methylation...





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DNA methylation of short stature homeobox 2 gene ( SHOX2 ), ras association domain family 1A gene ( RASSF1A ), and prostaglandin E receptor 4 gene ...

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Jun 22, 2012 · DNA methylation is a very stable epigenetic mark and next generation sequencing studies have recently shown that many genes are aberrantly methylated in cancer [10,11]. Tissue specific DNA methylation patterns are stabilized during embryonic development, and faithfully maintained through cell divisions [12-14].

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