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# **NDRG2 suppresses proliferation, migration, invasion and epithelial-mesenchymal transition of esophageal cancer cells through regulating the AKT/XIAP signaling pathway**

**Running title:** Effects of NDRG2 on EC via AKT/XIAP pathway

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## **ABSTRACT**

N-Myc downstream-regulated gene 2 (NDRG2) has recently revealed as a candidate tumor suppressor gene. To inhibit tumor growth and decrease morbidity of esophageal cancer (EC), this study aims to test the hypothesis that the upregulation of NDRG2 may suppress proliferation, invasion, migration and epithelial-mesenchymal transition (EMT) of EC cells by regulating the AKT/XIAP signaling pathway. Immunohistochemistry was conducted for the identification of

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