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What does TGF β signaling do in cancer?



How is TGF- β signalling related to renal fibrosis?



Which is mediator of canonical TGF- β signaling pathway?



What is the role of TGF- β / SMAD4 signaling pathway?



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Name of Journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 67322

Manuscript Type: REVIEW

Regulatory ³² role of the transforming growth factor- β signaling pathway in the drug resistance of gastrointestinal cancers

TGF- β signaling pathway and drug resistance

Xiaoqun Lv, Guoxiong Xu

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The **Transforming Growth Factor- β (TGF- β) pathway** is an important **regulator** of intestinal homeostasis and plays a major **role** in modulating GI **cancers**,. In the gastrointestinal tract, TGF- β is known to function as a promoter of fibrosis, an immune modulator, a tumor suppressor, and also as a tumor promoter.

Author: L. H. Katz, M. Likhter, W. Jogunoori, M. Belkin, Kazufumi Ohshiro, Lopa Mishra

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The **transforming growth factor- β (TGF- β) signaling pathway** plays an important **role** in cancer cell proliferation, **growth**, metastasis, and apoptosis. It has been shown that TGF- β acts as a tumor suppressor in the early stages of the disease, and as a tumor promoter in its late stages.

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