

tumorsuppressorOnthecontrary

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TGF- β 1-induced TNF- α and IL-6 secretion is dependent on EGF-BB expression. These results show that TGF- β 1-induced TNF- α and IL-6 secretion are dependent on phosphorylation of ERK1/2 and phosphorylation of p38. There, we demonstrate that TGF- β 1 induces ERK1/2 phosphorylation in the rat ovary cells by modulating the expression of nuclear factor-1 α . The in vitro and in vivo effects of TGF- β 1 on the mammalian epithelium and on the internalization of normal tissue suggest that TGF- β 1 may be an important mediator of anti-apoptosis in the rat ovarian carcinoma cell line. These results suggest that TGF- β 1 may inhibit the growth of ovarian cancer cell line via an effector pathway. Acknowledgements The authors would like to thank Dr. Lee Kwan for help with the manuscript. Author Contributions Conceived and designed the experiments: RK MT YSS. Performed the experiments: MT. Analyzed the data: MT. Contributed reagents/materials/analysis tools: MT. Wrote the paper: RK MT YSS. References 1. T. Leung GD, et al. Breast cancer cell lines: from human breast cancer to their development. Cancer Res 2. T. Leung GD, et al. Breast cancer cell lines: from human breast cancer to their development. Cancer Res 3. K. B. Lee CH, et al. Activated caspase 6 and 14 are essential for the induction of apoptosis. Cancer Res 4. W. H. Lee HY, et al. TNF- α induces apoptosis via cytoskeletal and cellular changes. Cancer Res 5. L. J. Lee KC, et al. TNF- α induces apoptosis via myofibroblast expression and caspase 9 expression through an up-regulation of caspase-1. Cancer Res 6. S. Lee Joo SD, et al. TNF- α induces apoptosis via cytoskeletal and cellular changes. Cancer Res 7. E. Lee Joo SD, et al. TNF- α induces apoptosis through caspase-1 expression and caspase-2 expression. Cancer Res 8. R. Lee KC, et al. TNF- α induces apoptosis via phosphatase expression. Cancer Res 9. J. Lee KC, et al. TNF- α induces apoptosis through cytoskeletal and cellular changes. Cancer Res 10. H. Lee Joo SD, et al. TNF- α induces apoptosis via cytoskeletal and cellular changes. Cancer Res 11. H. Lee YS, et al. TNF- α induces apoptosis via caspase-2 expression and caspase-9 expression. Cancer Res 12. S. Lee Joo SD, et al. TNF- α induces apoptosis via cytoskeletal and cellular changes. Cancer Res 13. P. K. Lee KC, et al. TNF- α induces apoptosis through caspase-9 expression and caspase-9-1 expression. Cancer Res 14. S. Lee Joo SD, et al. TNF- α induces apoptosis through caspase-9-2 expression and caspase-9-1 expression. Cancer Res 15. S. Lee Joo SD, et al. TNF- α induces apoptosis through caspase-9-3 expression and caspase-9-2 expression. Cancer Res 16. S. Lee Joo SD, et al. TNF- α induces apoptosis through caspase-9-3-1 expression, caspase-9-3-2 expression, and caspase-9-3-3 expression. Cancer Res 17. S. Lee Joo SD, et al. TNF- α induces apoptosis through cytoskeletal and cellular changes. Cancer Res 18. J. Lee KC, et al. TNF- α induces apoptosis through cytoskeletal and cellular changes. Cancer Res 19. H. Lee Joo SD, et al. TNF- α induces apoptosis through cytoskeletal and cellular changes. Cancer Res 20. S. Lee Joo SD, et al. TNF- α induces apoptosis through caspase-9-1 expression and caspase-9-2 expression. Cancer Res 21. S. Lee Joo