

## **"Tumor suppression mechanisms of SOCS1"**

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Clinical and experimental data strongly support the notion that SOCS1 is a tumor suppressor protein. However, molecular mechanisms underlying the tumor suppressor function of SOCS1 are far from clear. Using a murine liver cancer model, we have shown that SOCS1 regulates oncogenic MET signaling and prevents CDKN1A, which normally functions as a tumor suppressor, from gaining oncogenic potential. Our recent findings indicate that SOCS3, which exerts tumor suppression independently of SOCS1, is also modulated by the loss of SOCS1 in hepatocytes.