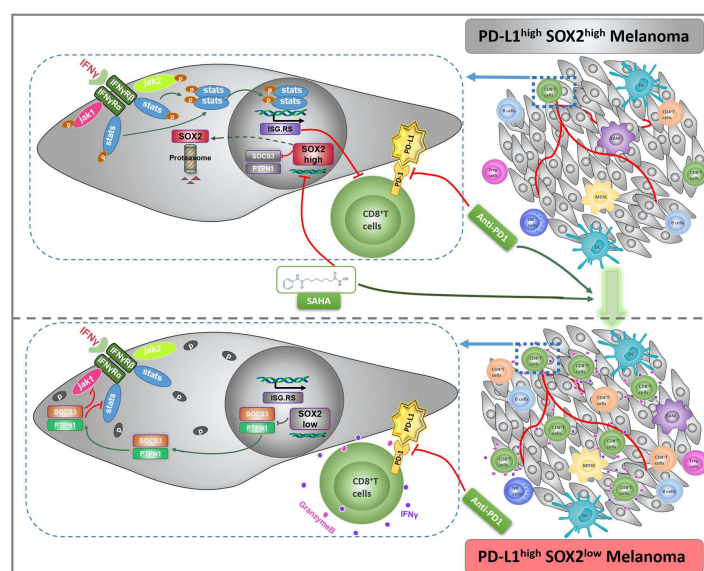


SOX2 promotes resistance of melanoma with PD-L1 high expression to T cell-mediated cytotoxicity that can be reversed by SAHA



Authors

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Summary

SOX2 causes immune evasion to T cell-mediated cytotoxicity and resistance to anti-PD-1 in melanoma with PD-L1 high expression. SOX2 inhibits phosphatase PTPN1 and SOCS3 transcription, which resulted in duration activation of the JAK-STAT pathway and thereby overexpression of ISG.RS. SAHA promotes SOX2 degradation and argument the therapeutic effect of anti-PD1 therapy.