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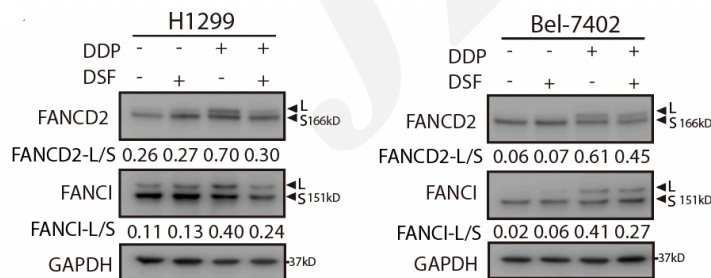
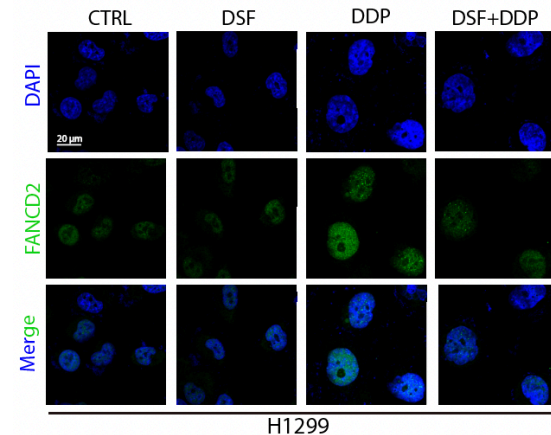
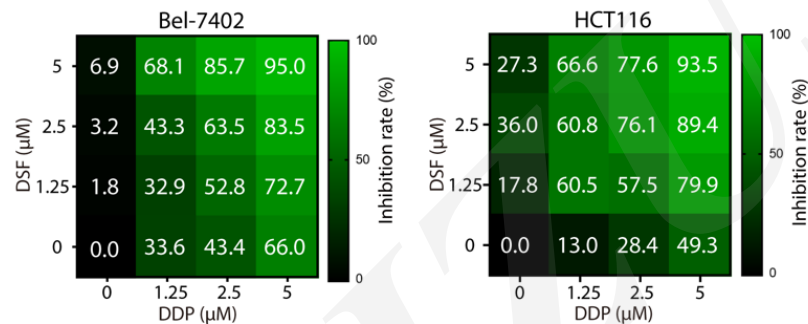
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Disulfiram enhances the antitumor activity of cisplatin by inhibiting the Fanconi anemia repair pathway

Key words: Disulfiram; DDP; DNA damage; FA repair; Chemotherapy

Research Summary

- The synergistic antitumor effect of DSF was exerted by enhancing DNA damage induced by DDP.
- DSF prevents the monoubiquitination of FANCD2 thus inhibiting the FA repair pathway of tumor cells.



Research Summary

When DDP-induced DNA damage occurs in tumor cells, DSF can block the monoubiquitination of FANCD2:FANCD1 heterodimers, inhibiting the FA repair pathway, and reducing the ability of tumor cells to resist DNA damage.

