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A novel anticancer property of *Lycium barbarum* polysaccharide in triggering ferroptosis of breast cancer cells

Key words: *Lycium barbarum* polysaccharide; Ferroptosis; Breast cancer cells; xCT/GPX4

Research Summary

This paper mainly focused on the anticancer property of *Lycium barbarum* polysaccharide (LBP) in triggering ferroptosis of breast cancer cells and summarized as following aspects:

- **Found a novel anticancer property of LBP in triggering ferroptosis of breast cancer cells**
- **LBP induces ferroptosis of breast cancer cells via xCT/GPX4 pathway.**
- **The potential anticancer mechanism of LBP provides a new strategy for the treatment of breast cancer.**

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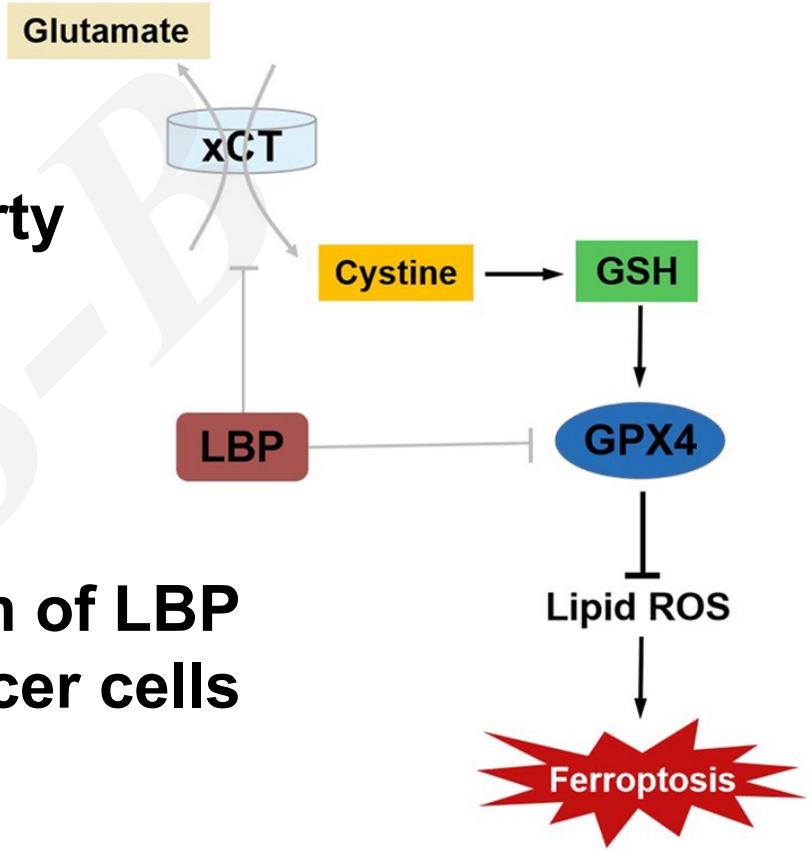
Innovation points

- Found a novel anticancer property of LBP in breast cancer cells



- Obtained a potential mechanism of LBP triggers ferroptosis in breast cancer cells

- Provided a new strategy for the treatment of breast cancer by LBP.

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