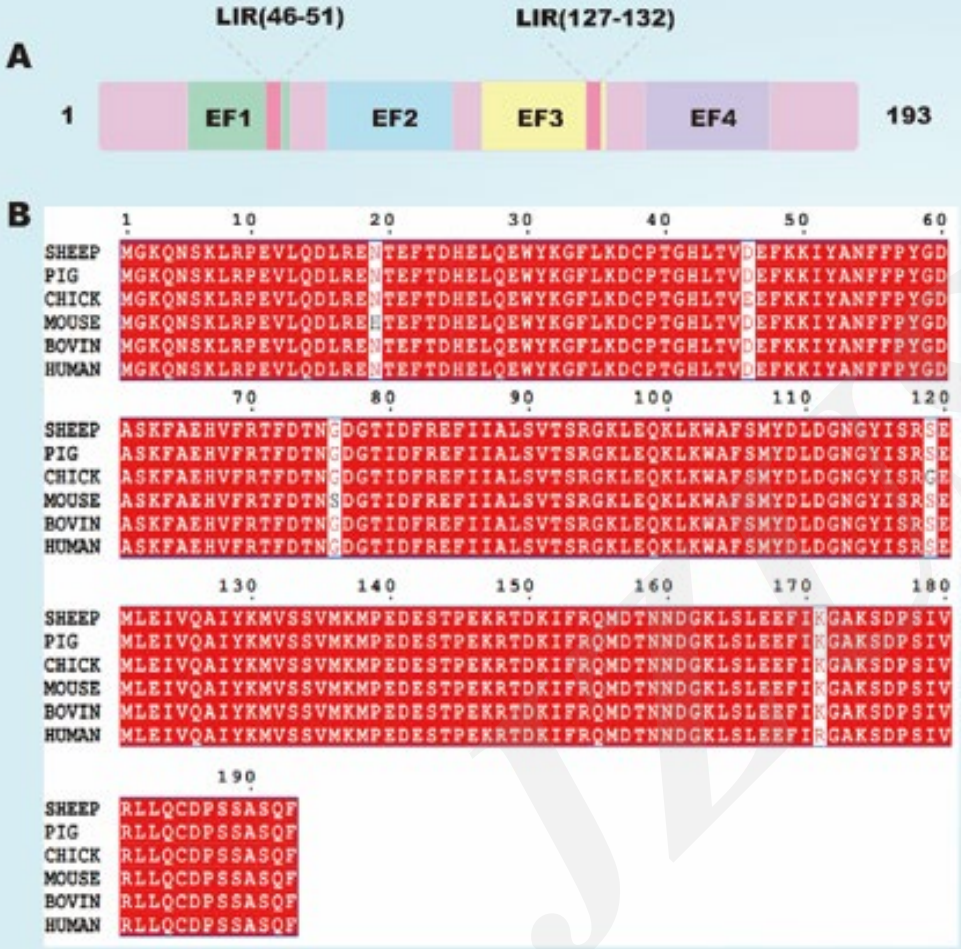
Cite this as: Liwen WANG, Li Qin, Huimei LIU, Lanfang LI. HPCAL1 is a novel driver of autophagy-dependent ferroptosis[J]. Journal of Zhejiang University Science B, 2023, 24(11): 1053-1056.
https://doi.org/10.1631/jzus.B2200241

JZUS-B

HPCAL1 is a novel driver of autophagy-dependent ferroptosis

Key words: autophagy; ferroptosis; lipid peroxidation; HPCAL1; CDH2

Paper Summary



This paper mainly focused on the detailed mechanisms of HPCAL1 in ferroptosis, and we provided new ideas and a theoretical basis for HPCAL1 as a potential therapeutic target for ferroptosis-related diseases.

Innovation points

- This paper introduces the structure and function of HPCAL1, as well as the specific mechanism of HPCAL1 mediating ferroptosis

- This paper expounds the limitations of the study site of Dr. Chen et al., and looks forward to the possible future research.

- This paper looks forward to the potential therapeutic role of IHPCAL1 in ferroptosis-related diseases or other diseases

