

Identification and Characterization of Folliculin-Interacting Protein 2, FNIP2

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Technology description

Summary

The invention describes the identification and characterization of a FNIP1 homolog, folliculin-interacting protein 2 (FNIP2), that interacts with folliculin, the protein encoded by the FLCN gene, which is responsible for the Birt-Hogg-Dube' (BHD) syndrome. BHD is a dermatologic disorder associated with an increased risk for developing renal cancer, spontaneous pneumothorax and lung cysts. FNIP2 binds to the C-terminus of folliculin and to AMPK. Importantly, FNIP2 expression was elevated in renal tumors seen in BDH patients. This finding suggests that FNIP2 may serve as a biomarker for BHD.

Market:

Dermatologic products

Diagnostic applications

Application area

Research tool

Diagnostic applications

Advantages

Could facilitate the development of therapeutic drugs to treat the skin lesions and renal tumors that develop in BHD patients.

Institution

[NIH - National Institutes of Health](#)

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