



Conclusion

• Recurrent somatic *FBXW7* mutations caused increased phosphorylated protein levels of Cyclin E1, SRC3, c-MYC, Rictor, GSK3, P70S6, and AKT in serous endometrial cancer cells and increased sensitivity to SI-2 (a SRC inhibitor) and dinaciclib (a CDK inhibitor; CDK2 binds Cyclin E1) in ARK1 cells.

• These findings represent the first direct biochemical evidence that *FBXW7* mutations have functional relevance in serous endometrial cancer cells.

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