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CANCER BIOLOGY AND TRANSLATIONAL STUDIES

1781 Targeting the Mevalonate Pathway Suppresses VHL-Deficient CC-RCC through an HIF-Dependent Mechanism

ABOUT THE COVER
A Lewis lung carcinoma xenograft tumor section was co-stained with the endothelial marker endomucin, and the proliferation marker Ki-67. These rapidly growing tumors are characterized by high endothelial and tumor cell proliferation in vascular hotspots. In this study, loss of the EYA3 tyrosine phosphatase in either host endothelial cells or tumor cells attenuated tumor growth. Loss of endothelial EYA3 reduced tumor angiogenesis while loss of tumor cell EYA3 reduced cell proliferation and survival. Key – Green: endomucin-positive endothelial cells; red: Ki-67 positive proliferating cells; blue: DAPI-stained nuclei.

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