Molecular Cancer Research

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SIGNAL TRANSDUCTION AND FUNCTIONAL IMAGING

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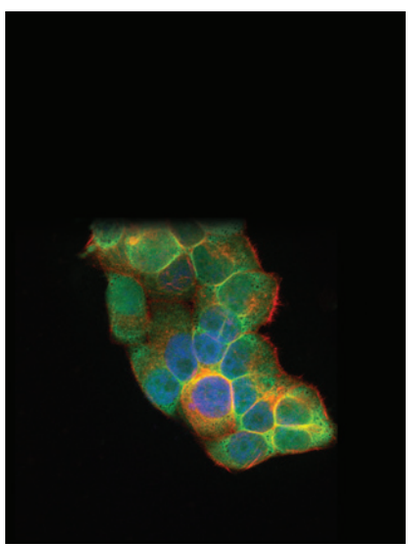
ABOUT THE COVER

Cancer stem cells have been reported to serve as a reservoir of therapy-resistant tumor-initiating cells that maintain the viability of a tumor through chemo- and/or radiation therapy, but the mechanisms allowing their persistence are poorly understood. The cover image shows whole-mount immunofluorescence staining of L3.6pl cells in which Ezrin, a linker protein that modulates the actin cytoskeleton, was ablated with RNA interference [Red: F-actin; Green: G-actin; Blue: DAPI]. Loss of Ezrin in pancreatic stem cells was shown to decrease clonogenic growth and self-renewal capacity, suggesting that targeting Ezrin with small molecules could limit their ability to repopulate a tumor. See the article by Penchev and colleagues (beginning on page 929) for more information.



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