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Molecular Cancer Research

Defining the Molecular Basis of Malignancy and Progression

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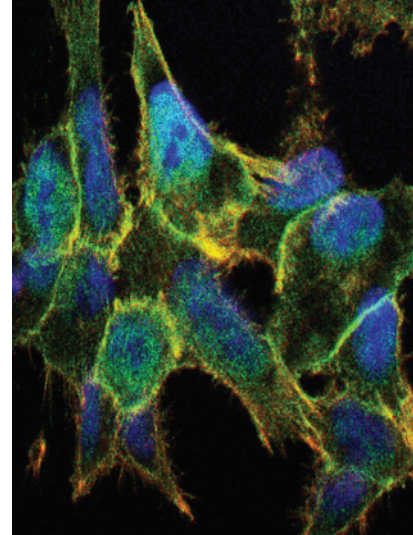
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ABOUT THE COVER

A hallmark of colon cancer is the activation of the Wnt-pathway; however, the HCT116 colon cancer cells do not express nuclear β -catenin despite a gain-of-function mutation in the *CTNNB1* gene. As a result, HCT116 cells are sensitive to tumor necrosis factor- α -induced apoptosis. The nuclear (blue) expression of β -catenin (green) could be induced with a GSK3 β inhibitor, although a fraction of β -catenin remained at the cell periphery and colocalized with F-actin (red). This induced nuclear expression of β -catenin suppressed the apoptotic response to tumor necrosis factor- α in HCT116 cells. For details, see the article by Han and colleagues on page 207 in this issue.



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