Oncogenic Isocitrate Dehydrogenase Mutations: Mechanisms, Models, and Clinical Opportunities

R.A. Cairns and T.W. Mak

Discovery of a Novel ERK Inhibitor with Activity in Models of Acquired Resistance to BRAF and MEK Inhibitors


Précis: An ERK1/2 inhibitor with properties of both type I and type II kinase inhibitors suppresses MAPK signaling and proliferation in BRAF and MEK inhibitor-resistant cancer cells.

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Inhibition of Ron Kinase Blocks Conversion of Micrometastases to Overt Metastases by Boosting Antitumor Immunity

H. Eyob, H.A. Ekiz, Y.S. DeRose, S.E. Waltz, M.A. Williams, and A.L. Welm

Précis: The receptor tyrosine kinase RON suppresses antitumor immune responses to promote metastatic outgrowth and is a potential therapeutic target to inhibit metastasis.

Frequent Mutation of the PI3K Pathway in Head and Neck Cancer Defines Predictive Biomarkers


Précis: PI3K pathway mutations are found in 30.5% of head and neck squamous cell carcinomas and may indicate sensitivity to PI3K inhibitors.

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