An Antibody Targeted to VEGFR-2 Ig Domains 4-7 Inhibits VEGFR-2 Activation and VEGFR-2–Dependent Angiogenesis without Affecting Ligand Binding

Determinants of Mitotic Catastrophe on Abrogation of the G2 DNA Damage Checkpoint by UCN-01
Kin Fan On, Yue Chen, Hoi Tang Ma, Jeremy P.H. Chow, and Randy Y.C. Poon

(−)-Gossypol Suppresses the Growth of Human Prostate Cancer Xenografts via Modulating VEGF Signaling–Mediated Angiogenesis
Xuifeng Pang, Yuanyuan Wu, Yougen Wu, Binbin Lu, Jing Chen, Jieqiong Wang, Zhengfang Yi, Weijing Qu, and Mingyao Liu

Dependence on the MUC1-C Oncoprotein in Non–Small Cell Lung Cancer Cells
Deepak Raina, Michio Kostogi, Rehan Ahmad, Govind Panchamoorthy, Hasan Rajabi, Maroon Alam, Takeshi Shimamura, Geoffrey I. Shapiro, Jeffrey Supko, Surender Kharbandra, and Donald Kufe

Antitumor Activity of the Hsp90 Inhibitor IPI-504 in HER2-Positive Trastuzumab-Resistant Breast Cancer
Maurizio Scaltriti, Violeta Serra, Emmanuel Normant, Marta Guzman, Olga Rodriguez, Alice R. Lim, Kelly L. Sicam, Kip A. West, Varenka Rodriguez, Ludmila Prudkin, José Jimenez, Claudia Aura, and José Baselga

High-Throughput Screen Identifies Novel Inhibitors of Cancer Biomarker α-Methylacyl Coenzyme A Racemase (AMACR/P504S)
Brice A.P. Wilson, Haofan Wang, Benjamin A. Nacev, Ronnie C. Mease, Jun O. Liu, Martin G. Pomper, and William B. Isaacs
PRECLINICAL DEVELOPMENT

Caspase-3–Dependent Mitotic Checkpoint Inactivation by the Small-Molecule Inducers of Mitotic Slippage SU6656 and Geraldol
Jenna L. Riffell, Reiner U. Jänicke, and Michel Roberge

A Human Model of Epithelial to Mesenchymal Transition to Monitor Drug Efficacy in Hepatocellular Carcinoma Progression
Franziska van Zijl, Sabine Mall, Georg Machat, Christine Pirker, Robert Zeilinger, Andreas Weinhaeusel, Martin Bilban, Walter Berger, and Wolfgang Mikulits

Assessing the Activity of Cediranib, a VEGFR-2/3 Tyrosine Kinase Inhibitor, against VEGFR-1 and Members of the Structurally Related PDGFR Family

2-Methoxyestradiol Analogue ENMD-1198 Reduces Breast Cancer-Induced Osteolysis and Tumor Burden Both In Vitro and In Vivo
Thomas J.A. Snoeks, Isabel M. Mol, Ivo Que, Eric L. Kajzel, and Clemens W.G.M. Lowik

Curcumin Inhibition of the Functional Interaction between Integrin α6β4 and the Epidermal Growth Factor Receptor
Young Hwa Soung and Jun Chung

Bortezomib Sensitizes HCC Cells to CS-1008, an Antihuman Death Receptor 5 Antibody, through the Inhibition of CIP2A

Therapeutic Potential and Molecular Mechanism of a Novel, Potent, Nonpeptide, Smac Mimetic SM-164 in Combination with TRAIL for Cancer Treatment
Jianfeng Lu, Donna McEachern, Haiying Sun, Longchuan Bai, Yuefeng Peng, Su Qiu, Rebecca Miller, Jinhui Liao, Han Yi, Meilan Liu, Anita Bellail, Chunhai Hao, Shi-Yong Sun, Adrian T. Ting, and Shaomeng Wang

ABOUT THE COVER

Migration of hepatocellular carcinoma (HCC) cells that have undergone epithelial to mesenchymal transition (EMT). The 3sp cells transdifferentiated from malignant hepatocytes in the HCC patient via EMT show a migratory potential as determined by Platypus technology that can be modulated by pharmacological interference. Migrating cells are visualized by staining with CellTracker. For details, see article by van Zijl and colleagues on page 850.