Spotlight on Clinical Response

Activate and resist: L576P-KIT in GIST

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Review

The role of vascular endothelial growth factor SNPs as predictive and prognostic markers for major solid tumors

Lokesh Jain, Craig A. Vargo, Romano Danesi, Tristan M. Sissung, Douglas K. Price, David Venzon, Jürgen Venitz, and William D. Figg

Research Articles

Triptolide induces cell death independent of cellular responses to imatinib in blast crisis chronic myelogenous leukemia cells including quiescent CD34+ primitive progenitor cells

Duncan H. Mak, Wendy D. Schober, Wenjing Chen, Marina Konopleva, Jorge Cortes, Hagop M. Kantarjian, Michael Andreeff, and Bing Z. Carter

Preclinical biomarkers for a cyclin-dependent kinase inhibitor translate to candidate pharmacodynamic biomarkers in phase I patients

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Combination of EGFR and MEK1/2 inhibitor shows synergistic effects by suppressing EGFR/HER3-dependent AKT activation in human gastric cancer cells

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AZD6244 (ARRY-142886) enhances the therapeutic efficacy of sorafenib in mouse models of gastric cancer

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Targeting vascular endothelial growth factor receptor-1 and -3 with cediranib (AZD2171): effects on migration and invasion of gastrointestinal cancer cell lines

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Correcting miR-15a/16 genetic defect in New Zealand Black mouse model of CLL enhances drug sensitivity

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Structure-based design of an urokinase-type plasminogen activator receptor–derived peptide inhibiting cell migration and lung metastasis

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Curcumin induces proapoptotic effects against human melanoma cells and modulates the cellular response to immunotherapeutic cytokines

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High antitumor activity of RLI, an interleukin-15 (IL-15)–IL-15 receptor α fusion protein, in metastatic melanoma and colorectal cancer

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Chemokine CXC receptor 4–mediated glioma tumor tracking by bone marrow–derived neural progenitor/stem cells

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On the Cover
Bone marrow-derived neural progenitor/stem cells form neurospheres and express typical neural stem cell marker nestin. Immunofluorescence staining of the neurospheres reveals expression of nestin protein (green). Counterstaining of the nuclei with DAPI is depicted (blue). These adult neural stem cells manifest glioma tracking property mediated through chemokine CXC receptor 4 signaling. For details, see the article by Xu and colleagues on page 2746.