Figure 2

CURCUMIN

RTKs (EGFR, erbB2, IGF-1R), sonic hedgehog, Wnt/β-catenin, AR

ABC-multidrug transporters (P-glycoprotein, ABCG2 and MRPs)

PI3K/Akt, IkBαK/NF-κB/IL-6, MAPKs, STATs, GLIs, β-catenin

Bcl-2, Bcl-xL, IAP-1, survivin, MGMT, ERCC-1

Intracellular accumulation of chemotherapeutic drugs

p21, p27↑

ING4, Cyclin D1, c-Myc↓

VEGF↓

Anti-proliferative and tumor growth inhibitory effects

Anti-angiogenic effect

Anti-invasive and anti-metastatic effects

Apoptosis of cancer cells

Chemosensibilizing and radiosensibilizing effects

Cancer incidence and progression, treatment resistance and disease relapse ↓