

Supplemental Figure 1

Analysis of p60.5 and KrasLA2 tumor cells. (A) p60.5 cells were untreated or treated with 11,12-EET or the EET analogs 1 and 2 (EET A1 and EET A2) at the indicated concentrations. Proliferation was then evaluated as described in Materials and Methods. Values are the mean +/- S.D. of 3 experiments performed in quadruplicate. (B) Lung epithelial tumors cells isolated from KrasLA2 mice were treated with or without Wyeth-14,643 at the indicated concentrations. Proliferation was then evaluated as described in Materials and Methods. Values are the mean +/- S.D. of one experiment performed in quadruplicate. Two experiments were performed with similar results.

Supplemental Figure 2

Analysis of human GFP-A549 NSCLC tumor cells. (A) RT-PCR of GFP-A549 cells and human liver (positive control) mRNAs showing expression of PPAR α and low expression of CYP2C9 in tumor cells. (B) Western blot of GFP-A549-derived microsomes or purified CYP2C9 (positive control) showing no detectable CYP2C9 expression in tumor cells. (C) GFP-A549-derived microsomes were incubated with [1-14C]arachidonic acid and processed as described (16). A reversed-phase high performance liquid chromatography radiochromatogram derived from 20 μ g microsomes is shown. (D) GFP-A549 cells were treated with or without Wyeth-14,643 at the indicated concentrations. Proliferation was then evaluated as described in Materials and Methods. Values are the mean +/-S.D. of one experiment performed in quadruplicate. Two experiments were performed with similar results.

Supplemental Figure 3

Treatment of athymic mice orthotopically injected with human GFP-A549 cells with Bezafibrate.

(A) Diagram showing the Bezafibrate treatment protocol used in athymic mice. The number in parenthesis indicates mice used in each group. (B) Liver/body weight ratio of the mice described in (A). The circles show individual values, while the bars are the mean values. (C) Levels of EETs and DHETs in the plasma of the athymic mice described in (A). Values are averages \pm S.D. of the mice indicated. (D-F) Number of GFP-positive primary [left lung, (D)] and metastatic [right lung (E) and liver (F)] tumors detected 5 weeks after tumor cell injection. Values are the mean \pm S.D. of the mice indicated in (A).