Online Data Supplement

Lung Adenocarcinoma Global Profiling

Identifies Type II TGF-β Receptor as a Repressor of Invasiveness

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Figure Legend

Figure E1. *TGFβRII* RT PCR (left panel). Tumor RNA from Invasive (n=6), AC-mixed subtype (n=9), and BAC (n=5) that were examined by microarray analysis were analyzed by quantitative realtime PCR, normalized to 18S. Each bar represents the mean normalized *TGFβRII* copy number ± SEM for experiments performed in triplicate. The Pearson correlation coefficient for the relation between microarray expression data and realtime PCR data was .59, P <004. **TβRII Western Analysis (right panel)**. Tumor homogenates from Invasive (n=3), AC-mixed subtype (n=4), and BAC (n=3) were examined by Western analysis with results normalized to β-Actin.

Figure E2. Immunocytochemical staining for TβRII. Immunofluoresence was performed on cells transfected with siRNA or negative control that were grown on glass cover slips for 48 hours. TβRII staining was predominantly restricted to the cytoplasmic membrane and was diminished in knocked-down cells.

Figure E1

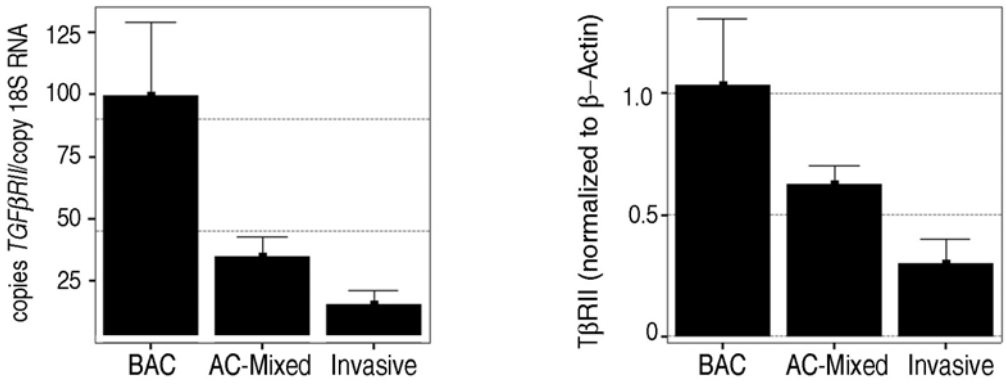
copies TGFβRII/copy 18S RNA
125
100
75
50
25
BAC
AC-Mixed
Invasive
TβRII (normalized to β–Actin)
1.0
0.5
0
BAC
AC-Mixed
Invasive

Figure E2