Indacaterol inhibits the tumor cell invasiveness and the expression of MMP-9 by suppressing IKK/NF-κB activation.

SUI Lee et al.

Supplemental Method

Microscopy

The HeLa/Human ADRB2-GFP stable cells (1×10^4 cells per chamber) were plated in 8-chamber culture slides (ibidi). After 16 h, cells were treated with 5 μM of individual agonist such as isoproterenol, salbutamol (Cullum et al., 1969; Ball et al., 1991), formoterol (van der Molen et al., 1997), salmeterol (Ball, Brittain et al., 1991) or indacaterol (Naline et al., 2007) for 0.5 h and then rinsed with ice-cold PBS and fixed with 4% paraformaldehyde for 10 min at room temperature. After 3 washes with PBS, cells were mounted using Vectashield mounting medium (Vector Laboratories, Inc.) and then fluorescent image were obtained by fluorescent microscope Eclipse Ti Nikon.
Supplemental Figure 1. The various ADRB2 agonists including indacaterol induce ADRB2-GFP internalization. The stable HeLa cell line expressing human ADRB2-GFP (1×10^4 cells per chamber) was plated in 8-chamber culture slides (ibidi). After 16 h, the cells were treated with 5 μM of individual agonist for 0.5 h and then rinsed with ice-cold PBS and fixed with 4% paraformaldehyde for 10 min at room temperature. After 3 washes with PBS, the cells were mounted using vectashield mounting medium (Vector Laboratories, Inc.) and then fluorescent image were obtained by fluorescent microscope Eclipse Ti Nikon.
Supplemental references


