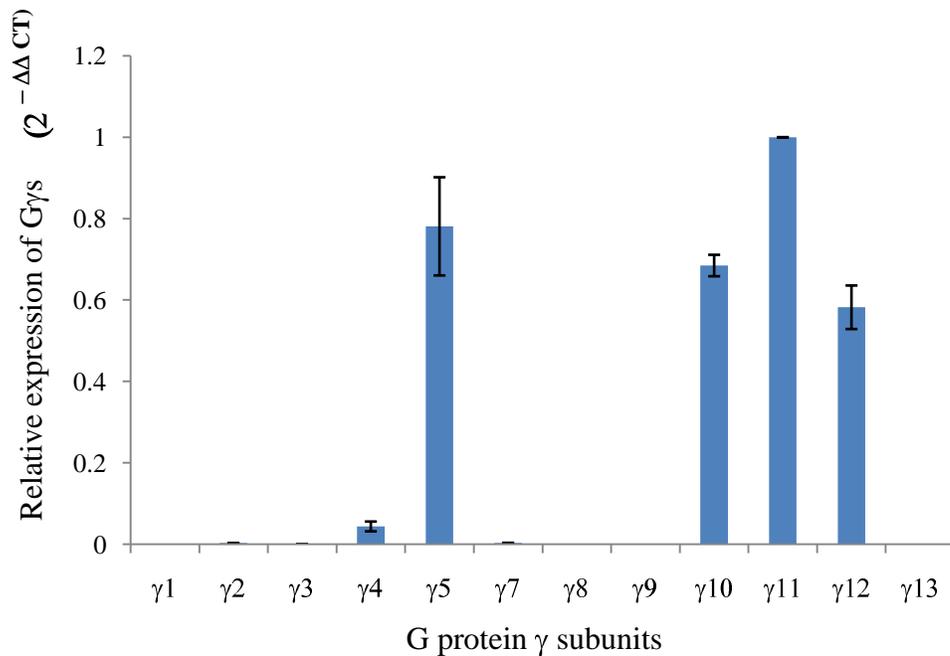


Fig. S4



Real time PCR analysis of the relative expression levels of the G protein γ subunit family. $\gamma 11$ is the preponderantly expressed γ subunit in A549. Relative expression levels of subunits ($2^{-\Delta\Delta C_T}$) were determined with reference to that of $\gamma 11$ after normalizing the expression of individual subunits to that of β -actin. Bars are \pm SEM (n=3). In a positive control using cDNAs for the γ subunit types, all primers amplified expected products.

Methods: Total RNA was extracted from A549 cells using RNeasy Plus Mini Kit (Qiagen). For cDNA synthesis, 1 μ g RNA was used in a 20 μ l Reverse Transcriptase reaction (ThermoScript RT-PCR system from Invitrogen). Real time PCR was performed in a 7500 Real Time PCR System (Applied Biosystems). For each reaction, 10 ng of the cDNA was used in a 20 μ l reaction containing 10 μ l of the Power SYBR Green PCR Master Mix (Applied Biosystems). Each reaction was performed in triplicate.

The following primers were used in the qRT-PCR analysis –

γ 1, GAAAGAAGTGACACTGGAAAG and CTCTGGGATGCCCTTTAC;

γ 2, GCTGGTAGAGCAGCTTAAGATG and GGTCTTCCTTGGCATGTGC;

γ 3, CAGCAGCAGACCTGATGAC and GAACTTCTTCTCCCGGAAGG;

γ 4, CTGTGGAGCAGCTAAAGATG and GATGAGAGGATCTTCCCG;

γ 5, GAAGAAAGTGGTTCAACAGC and GCAGACAGAACTGTTTCAAGTC;

γ 7, GCATAGAA GCCGGGATTGAG and CAGGGACTCCGACCAGCAG;

γ 8, GCAAGACGGTGGAACAGC and CATCTTTGGCATGCGTCTC;

γ 9 GTTGAAGATGGAGGTGGAGC and CTCCACGTAC TCCTTGATTTCC;

γ 10, CAGCGCTTGGTAGAGCAG and CATCCTTGCAGGCATTCTG;

γ 11, GAAGTGAAGTTGCAGAGACAAC and CTGGAATTCCCTTTACTAGAGG;

γ 12, GTGCA GCAGTTAAGATTAGAAGCC and CTCCTGGCATGTTCCCTCAC;

γ 13, CAAGTACCAGCT GGCCTTC and GTTCAGGAAGGGGTCCTTG.