



Figure S8. Effect of dexmedetomidine and atipamezole on growth and migration of A549 and H4 cells. Representative images of immunofluorescence staining to confirm presence of α_2 -adrenoceptors in A549 and H4 cells (A). Cells were treated with or without 1 nM dexmedetomidine after a 10-min exposure to inhibitor atipamezole at 10 nM. Cell migration was measured by wound-healing assay in A549 cells (B). * $P < 0.01$ versus N, # $P < 0.01$ versus D; $n = 4$ independent experiments. Cell viability was determined by MTT assay in A549 and H4 cells (C). Atipamezole was used in concentrations of 10, 20, or 40 nM where indicated. * $P < 0.01$ versus V; # $P < 0.01$ versus D; $n = 6$ independent experiments. Representative images and quantification of immunofluorescence staining of cyclin A (D) and cyclin D (E) expression in A549 cells after treatment with or without 10 nM atipamezole then 1 nM dexmedetomidine. * $P < 0.05$, ** $P < 0.01$ versus N; # $P < 0.05$, ## $P < 0.01$ versus D; $n = 3$ independent experiments. All data are presented as mean \pm SD. Scale bar: $\times 20$ magnification, 50 μm .