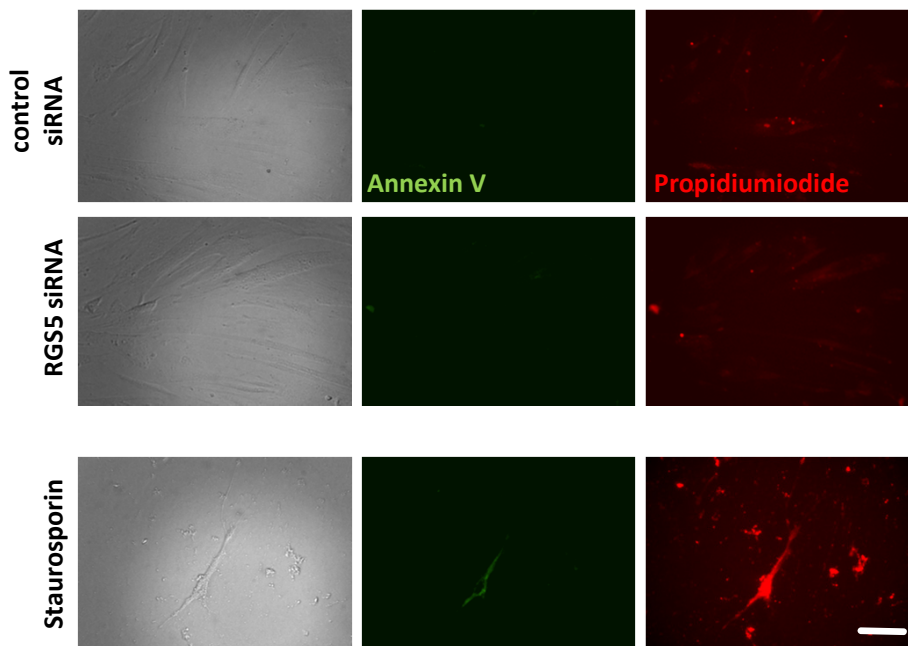


Supplemental Figure C1E {c



Knockdown of RGS5 does not induce apoptosis in HUASMCs

HUASMCs were treated with control siRNA or RGS5-specific siRNA, respectively, for 48 hrs. Untreated HUASMCs were stimulated with 1 μ M staurosporin to induce apoptosis which was detected by an annexin V/propidium iodide fluorescence staining (Trevigen). No induction of apoptosis was detected upon RGS5 knockdown. The representative images show one out of 3 independent experiments with similar results. The left panel shows bright field images demonstrating evenly distribution of cells except after staurosporin treatment which led to detachment of cells. The middle panel shows the Annexin V staining (green fluorescence) marking early apoptotic cells which was only detectable in staurosporine treated cells. The right panel shows the propidium iodide staining characteristic for late apoptotic/necrotic cells (red fluorescence) which was only visible after staurosporine treatment (scale bar: 100 μ m).