



Supplemental Figure S1. The mRNA expression of the $\alpha 2$ adrenergic receptor by HTM cells.

At Day 6, 3D HTM spheroids (control) and those treated with 5 ng/ml TGF- $\beta 2$ in the absence or presence of 10 μ M brimonidine (BRI) were subjected to qPCR analysis to estimate the expression of mRNA in *$\alpha 2$ adrenergic receptor*. All experiments were performed in duplicate using fresh preparations consisting of 16 spheroids each. Data are presented as the arithmetic mean \pm the standard error of the mean (SEM).

Supplemental Table S1. Sequences of primers of qPCR.

		Sequence	Exon Location	RefSeq Number	Product Length (bp)
human RPLP0 ^{*1}	Probe	5'-/56-FAM/CCCTGTCTT/ZEN/CCCTGGGCATCAC/3IABkFQ/-3'			
	Primer2	5'-TCGTCTTTAAACCCTGCGTG-3'	2-3	NM_001002	143
	Primer1	5'-TGTCTGCTCCCACAATGAAAC-3'			
human COL1A1 ^{*1}	Probe	5'-/56-FAM/TCGAGGGCC/ZEN/AAGACGAAGACATC/3IABkFQ/-3'			
	Primer2	5'-GACATGTTACAGCTTGTGGAC-3'	1-2	NM_000088	115
	Primer1	5'-TTCTGTACGCAGGTGATTGG-3'			
human COL4A1 ^{*1}	Probe	5'-/56-FAM/TCATACAGA/ZEN/CTTGGCAGCGGCT/3IABkFQ/-3'	51-52	NM_001845	142
	Primer2	5'-AGAGAGGAGCGAGATGTTCA-3'			
	Primer1	5'-TGAGTCAGGCTTCATTATGTTCT-3'			
human COL6A1 ^{*1}	Probe	5'-/56-FAM/CAGGTTTCG/ZEN/GTCACAGCGGTAGT/3IABkFQ/-3'			
	Primer2	5'-CCTCGTGGACAAAAGTCAAGT-3'	2-3	NM_001848	114
	Primer1	5'-GTGAGGCCTTGGATGATCTC-3'			
human FN1 ^{*1}	Probe	5'-/56-FAM/TACAGCTTA/ZEN/TTCTCCCTCGCCCAG/3IABkFQ/-3'			
	Primer2	5'-CGTCCTAAAGACTCCATGATCTG-3'	3-4	NM_212482	129
	Primer1	5'-ACCAATCTTGTAGGACTGACC-3'			
human αSMA ^{*1}	Probe	5'-/56-FAM/AGACCCTGT/ZEN/TCCAGCCATCCTTC/3IABkFQ/-3'			
	Primer2	5'-AGAGTTACGAGTTGCCTGATG-3'	8-9	NM_001613	105
	Primer1	5'-CTGTTGTAGGTGGTTTCATGGA-3'			
human Grp78 ^{*2}	Forward	5'-CATCACGCCGTCCTATGTCG-3'		NM_005347	215
	Reverse	5'-CGTCAAAGACCGTGTCTCG-3'			
human GRP94 ^{*2}	Forward	5'-CTGGGACTGGGAACCTATGAATG-3'		NM_003299	152
	Reverse	5'-TCCATATTCGTCAAACAGACCAC-3'			
human XBP ^{*2}	Forward	5'-AGTAGCAGCTCAGACTGCCA-3'		NM_005080	313
	Reverse	5'-CCTGGTTCTCAACTACAAGGC-3'			
human sXBP ^{*2}	Forward	5'-GGTCTGCTGAGTCCGCAGCAGG-3'		AB076384	97
	Reverse	5'-GGGCTTGGTATATATGTGG-3'			
human CHOP ^{*2}	Forward	5'-GGAGAACCAGGAAACGGAAAC-3'		NM_004083	69
	Reverse	5'-TTCCTTCATGCGCTGCTTT-3'			
Human ADRA2 ^{*1}	Probe	5'-/56-FAM/AGGAAGCGG/ZEN/ATCGTGTGAGGTTTC/3IABkFQ/-3'			
	Primer2	5'-GCAGTCAGCGTGAGTCTAC-3'	1-1	NM_000681	121
	Primer1	5'-TCATCTACACCATCTTCAACCAC-3'			

*1 Taqman probes (IDT, Coralville, IA, USA). *2 SYBR probes (IDT, Coralville, IA, USA).