

Table S4. Quantification of autophagy factors (H9c2 and NRCM)

Hypoxia (5% O ₂)					
dexmedetomidine		–	0.1 μ M	1 μ M	10 μ M
Atg5	H9c2	130 \pm 5.0	91 \pm 6.2	112 \pm 8.3	96 \pm 8.3
Atg5	NRCM	51 \pm 3.8	57 \pm 3.8	66 \pm 4.8	69 \pm 4.9
Atg12	H9c2	148 \pm 12.2	91 \pm 7.1	86 \pm 14.3	94 \pm 8.7
Atg12	NRCM	46 \pm 8.0	55 \pm 5.8	66 \pm 6.2	71 \pm 8.8
Normoxia (21% O ₂)					
dexmedetomidine		–	0.1 μ M	1 μ M	10 μ M
Atg5	H9c2	100 \pm 0.0	88 \pm 8.6	89 \pm 4.1	93 \pm 3.7
Atg5	NRCM	100 \pm 0.0	80 \pm 5.8	87 \pm 7.9	86 \pm 6.9
Atg12	H9c2	100 \pm 0.0	92 \pm 5.7	87 \pm 9.1	82 \pm 9.5
Atg12	NRCM	100 \pm 0.0	85 \pm 4.6	90 \pm 5.6	85 \pm 5.8
Hyperoxia (80% O ₂)					
dexmedetomidine		–	0.1 μ M	1 μ M	10 μ M
Atg5	H9c2	137 \pm 5.9	88 \pm 5.9	86 \pm 8.7	102 \pm 11.2
Atg5	NRCM	46 \pm 6.8	58 \pm 11.4	66 \pm 12.1	52 \pm 9.7
Atg12	H9c2	142 \pm 8.6	89 \pm 6.3	81 \pm 14.3	97 \pm 11.4
Atg12	NRCM	37 \pm 9.5	62 \pm 15.9	84 \pm 6.3	69 \pm 8.2

Data are normalized to the level of cardiomyocytes exposed to normoxia (100%) and are presented as mean (%) \pm standard error of the mean (SEM). n = 6 individual experiments/group.