

**Table S1** Primers for real-time quantitative PCR analysis

	Primer	Sequences
Apelin	Forward	5'-TCTGGCTCTCCTTGACTG-3'
	Reverse	5'-AGGCATGGGTCCCTTATG-3'
APJ	Forward	5'-GGAAGATGATGGTTACAACACTAC-3'
	Reverse	5'-AGGCTGGCAATGAAGATG-3'
GAPDH	Forward	5'-AGGTCGGTGTGAACGGATTTG-3'
	Reverse	5'-TGTAGACCATGTAGTTGAGGTCA-3'

APJ, apelin receptor.

**Table S2** Antibodies for Western blot or immunohistochemistry

	No.	Source
Anti-apelin	DF13350	Affinity Biosciences, Cincinnati, OH, USA
Anti-APJ	20341-1-AP	Protein Tech Group Inc, Chicago, IL, USA
Anti-PCNA	10205-2-AP	Protein Tech Group Inc, Chicago, IL, USA
Anti-GAPDH	60004-1-Ig	Protein Tech Group Inc, Chicago, IL, USA
Anti- $\beta$ -actin	4970	Cell Signaling Technology, Beverly, MA, USA
Anti-LC3B	3868	Cell Signaling Technology, Beverly, MA, USA
Anti- $\alpha$ -SMA	48938	Cell Signaling Technology, Beverly, MA, USA
Anti-ATG5	12994	Cell Signaling Technology, Beverly, MA, USA
Anti-p62	5114	Cell Signaling Technology, Beverly, MA, USA

APJ, apelin receptor; PCNA, proliferating cell nuclear antigen; LC3B, microtubule-associated protein-1 light chain-3B;  $\alpha$ -SMA,  $\alpha$ -smooth muscle actin; ATG5, autophagy related protein 5.