



Fig. S2. *The effect of LY294002 on autophagy induction by leptin in MCF-7 cells.* MCF-7 cells were pretreated with LY294002 (10 μ M) for 1 h, followed by incubation with leptin (250 ng/ml) for further 8 h. The expression levels of p62, Beclin-1, Atg5 and LC3 were examined by Western blot analysis. Representative images from at least three independent experiments are presented. β -actin was served as a loading control. Relative band intensities of the target proteins compared to the loading control were quantified by densitometric analysis and are presented as bar diagrams shown in the right panel.