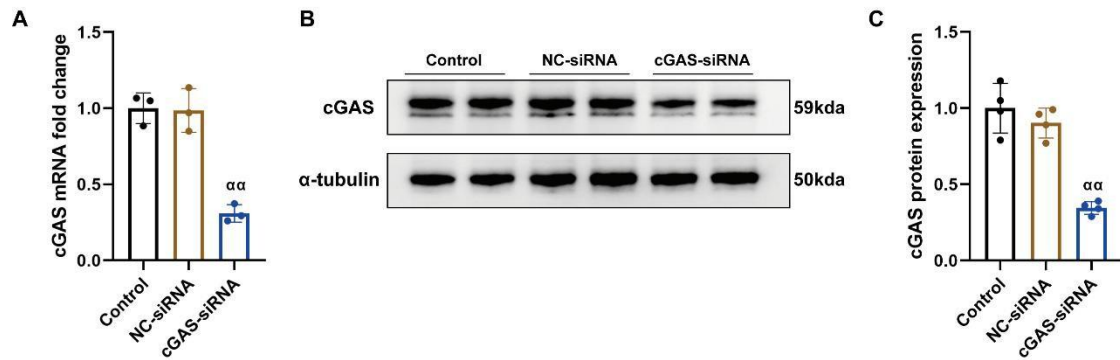


Supplementary Figure 1



The knockdown efficacy of siRNA targeting cGAS was evaluated in H9C2 cells. H9C2 cells were transfected with either cGAS-specific siRNA or negative control (NC) siRNA, and cells were harvested for subsequent analyses 48 hours after transfection. (A) The mRNA fold change in cGAS in H9C2 cells transfected with cGAS- or NC-siRNA. (B) Western blot analysis of the protein expression of cGAS in transfected H9C2 cells. (C) Quantitative detection of cGAS protein expression in H9C2 cells. $\alpha\alpha P < 0.01$ vs. the NC-siRNA group.

Notes: The primer sequences used in the RT-PCR assay are provided in the following table.

| Gene | Oligonucleotide primer sequences (5'–3') |
|------------------------|--|
| Rat- α -Tubulin | Forward: TGCCAAGCGACAAGACCAT |
| | Reverse: GCCAGTGCGAACTTCATCAAT |
| Rat-cGAS | Forward: CAGAGGTTGATGCCAGATGTC |
| | Reverse: CAGCCAGGACTACACAGAGAA |