**Supplementary Table 1.** The shRNA sequence for GPX4 knockdown

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| Name | Sequence |
| GPX4 shRNA1 | GTACAGCAAGATCTGTGTAAATTCAAGAGATTTACACAGATCTTGCTGTACTTTTTT |
| GPX4 shRNA2 | GCTGGGAAATGCCATCAAATTCAAGAGATTTGATGGCATTTCCCAGCTTTTTT |
| GPX4 shRNA3 | GCTGCGTGGTGAAGCGCTATGTTCAAGAGACATAGCGCTTCACCACGCAGCTTTTTT |