

Supplement Material

Table S1 Primers used for target amplification.

Gene	Forward primer (5'–3')	Reverse primer (5'–3')	Amplicon size
HOXD-AS2	AGGAACTGCTCTGGTGA ACTCC	TGGGCATCTCTTTCAGGAAGGT	113bp
HOXD8	TGTTCTGTTCGCCGCTGGTT	AGGTGAGGCTATCGCTTTCCTG	100bp
PI3K	CCACGACCATCATCAGGTGAA	CCTCACGGAGGCATTCTAAAGT	112bp
Akt	TCCTCCTCAAGAATGATGGCA	GTGCGTTCGATGACAGTGGT	181bp
MDM2	GAATCATCGGACTCAGGTACATC	TCTGTCTCACTAATTGCTCTCCT	167bp
p53	CAGCACATGACGGAGGTTGT	TCATCCAAATACTCCACACGC	125bp
β -actin	TCCCTGGAGAAGAGCTACGA	AGCACTGTGTTGGCGTACAG	194bp
GAPDH	GGATTGGTCGTATTGGGCG	ATCGCCCCACTTGATTTTGG	240bp

Table S1. All primer sequences for qRT-PCR genes.

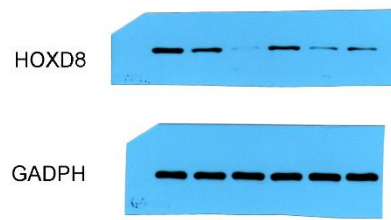


Figure 1S. The relative protein expression levels of HOXD8 are decreased in human GC cells.

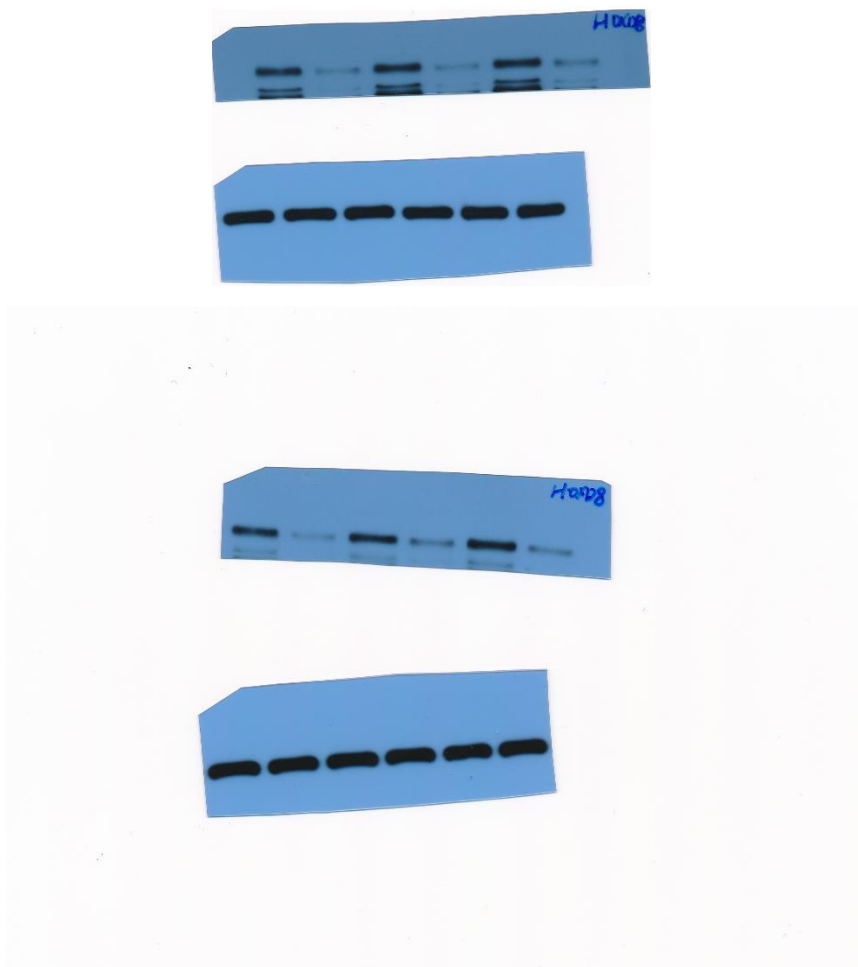
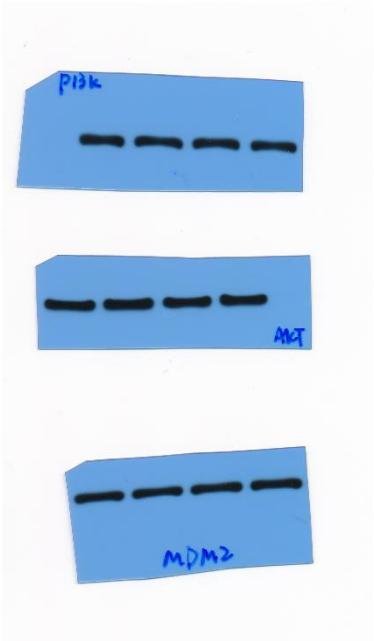


Figure 2S. The relative protein expression levels of HOXD8 are decreased in human GC tissues.



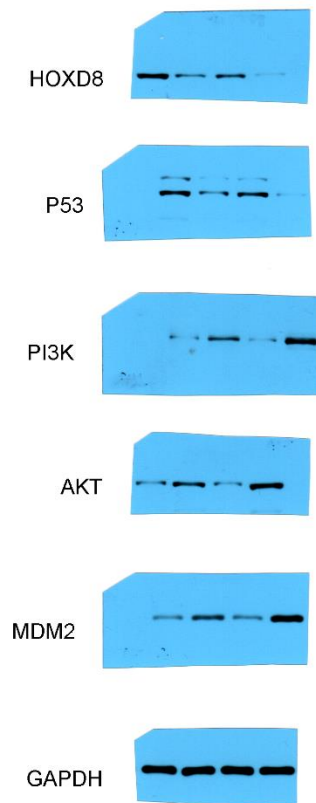
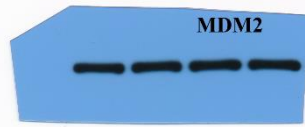
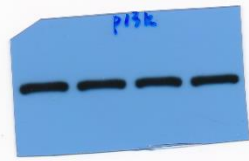


Figure 3S. Overexpression of HOXD-AS2 reduced HOXD8, PI3K, Akt, and MDM2 protein levels, and increased p53 protein level in SGC-790 and SNU-1 cells.



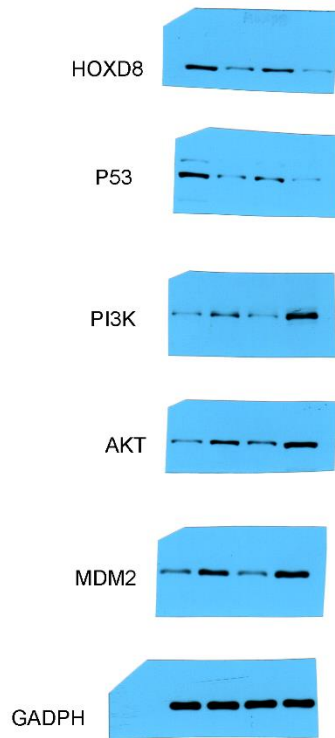


Figure 4S. HOXD8 and p53 protein levels were significantly increased but PI3K, Akt and MDM2 protein levels were significantly reduced following treatment with LY294002 in SGC-790 and SNU-1 cells for 48 h.