

Supplementary data (Oh et al.)

Figure S1: Spearman correlation analysis showed no correlation between SOX9 and EpCAM expression levels in patients with LN metastatic HGOC,

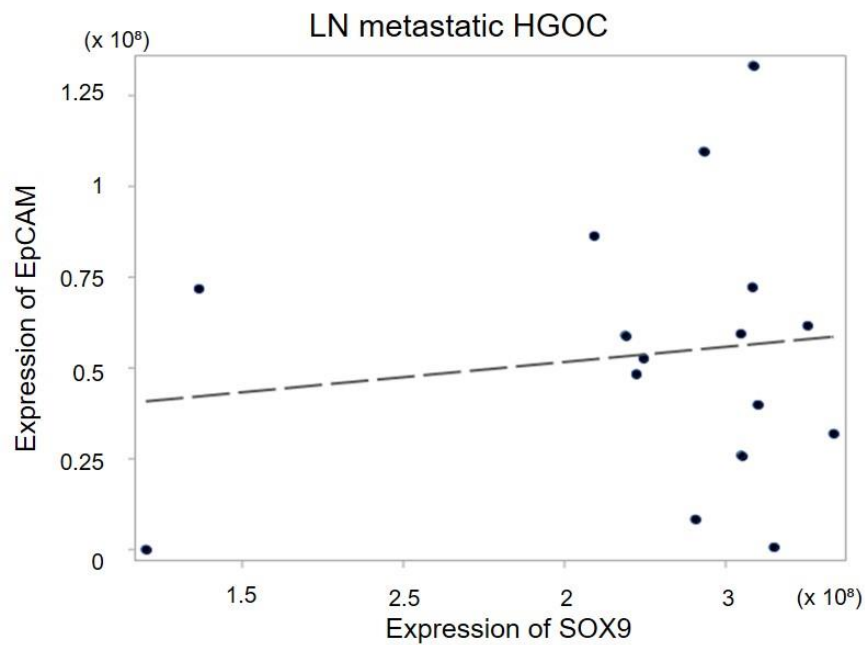


Figure S2: Expression of SOX9 protein in cultured human ovarian and colon cancer cell lines by indirect immunofluorescence staining followed by immunoblot analysis and confocal imaging analysis.



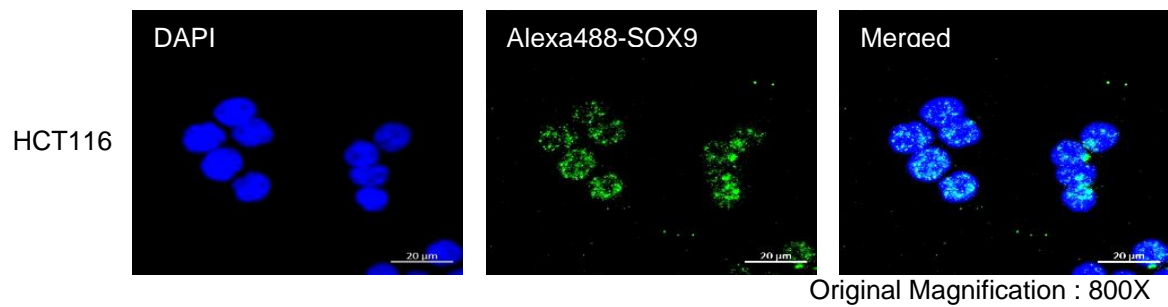
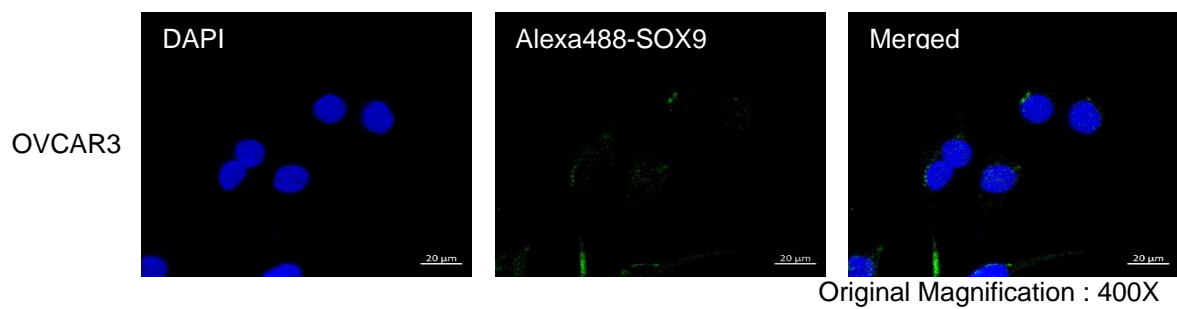
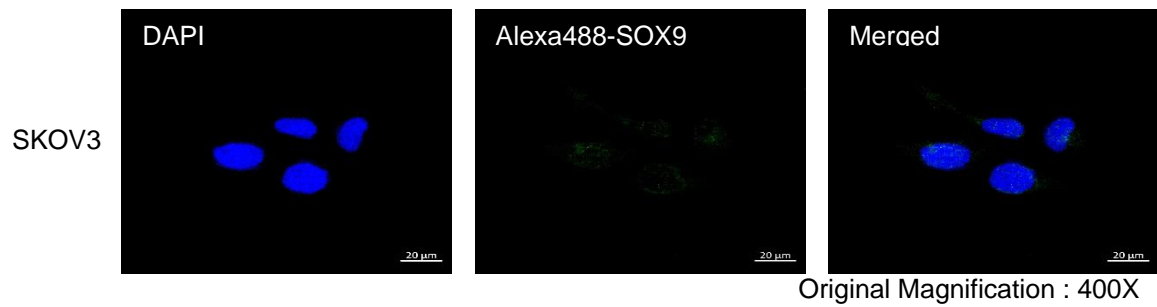
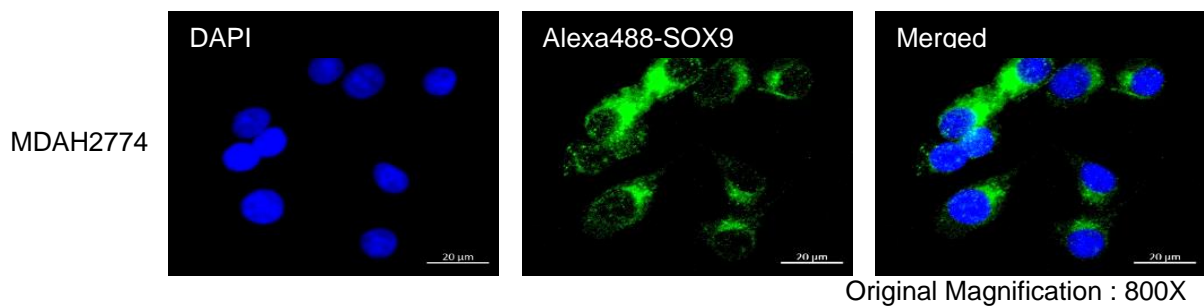


Figure S3: Determination of CDDP concentration to investigate the effect of SOX9 silencing on CDDP sensitivity by using the EZ-Cytox Cell Viability Assay kit.

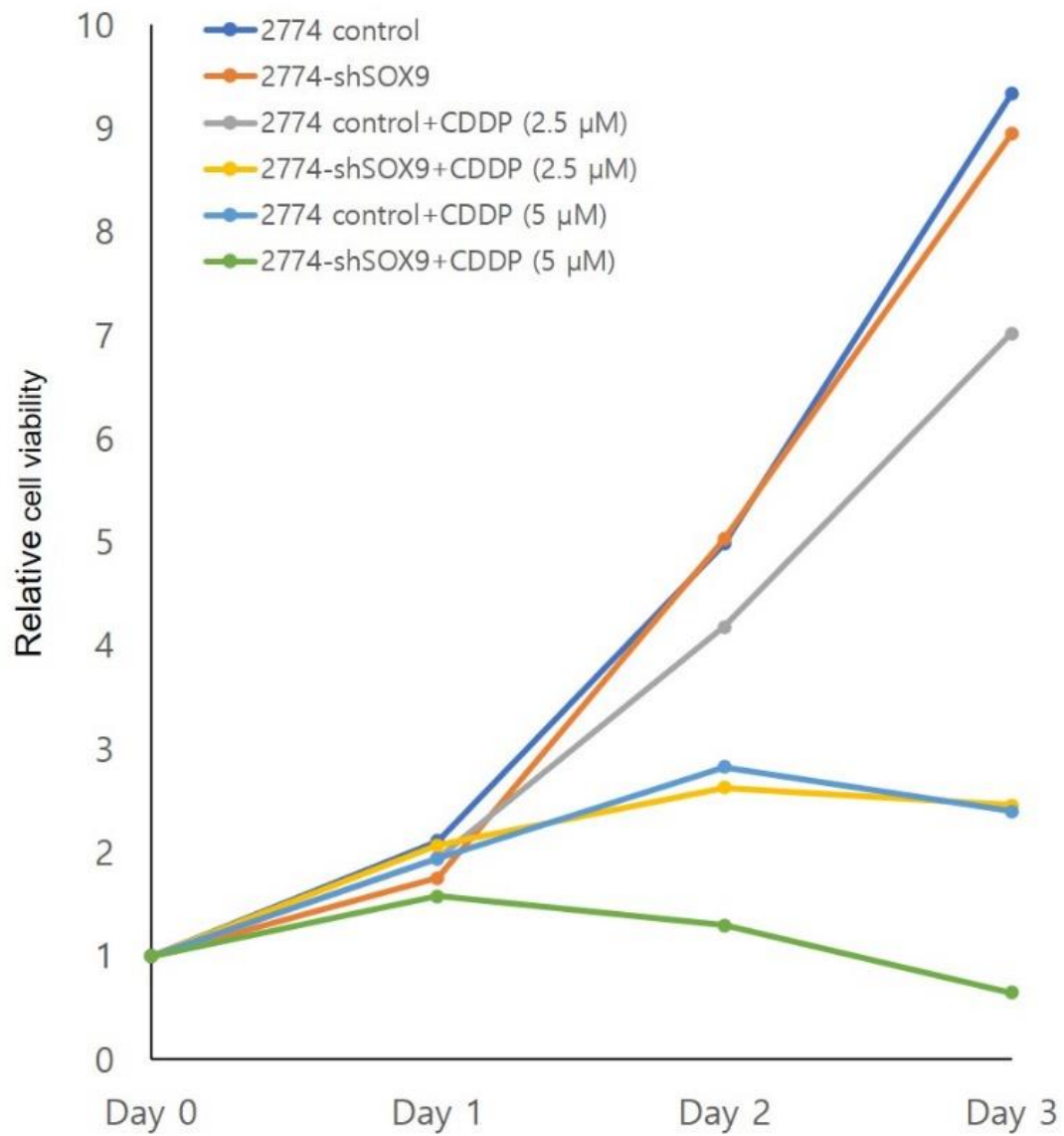


Figure S4: The non-cropped full-size gel images for immunoblot analysis.

Figure 2(c)

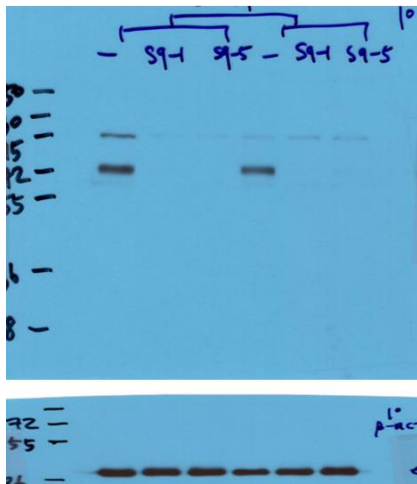


Figure 4(e)

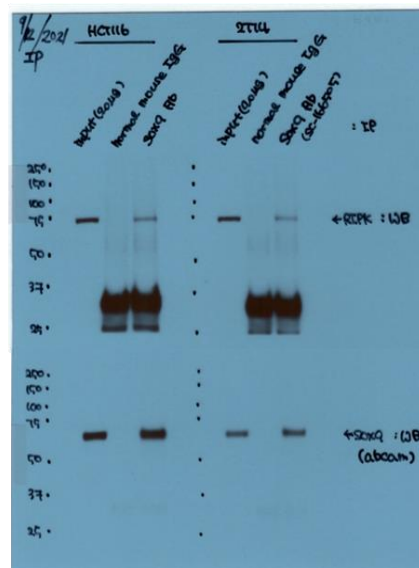
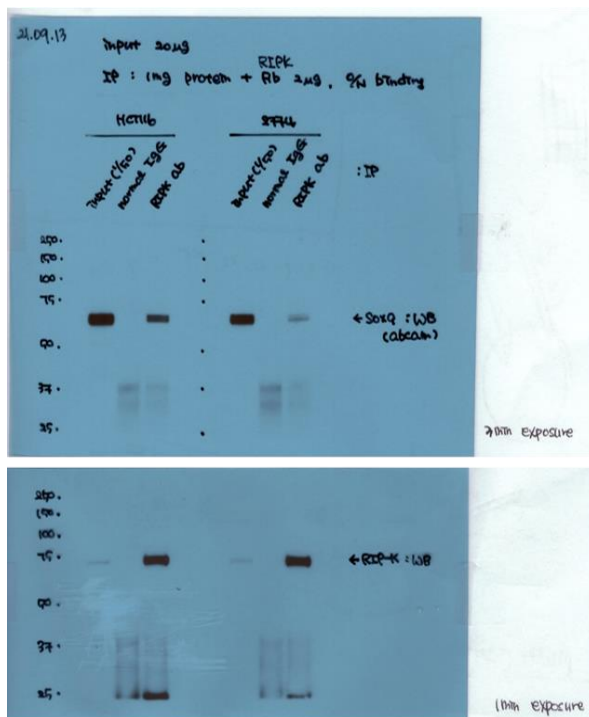


Figure 4(f)

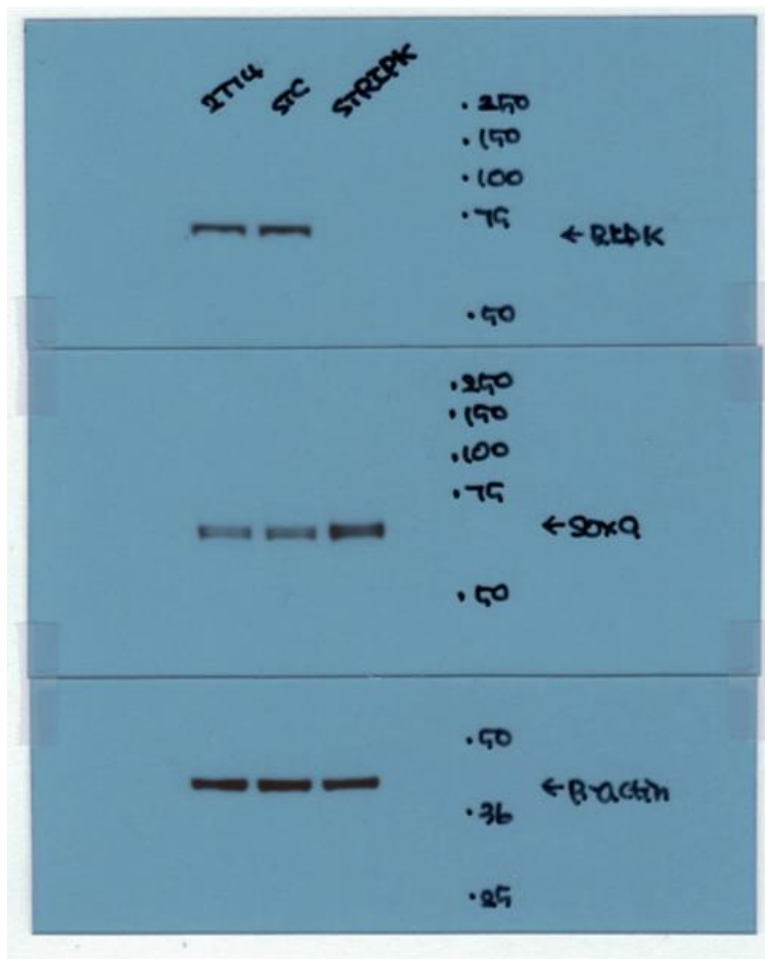


Figure S2

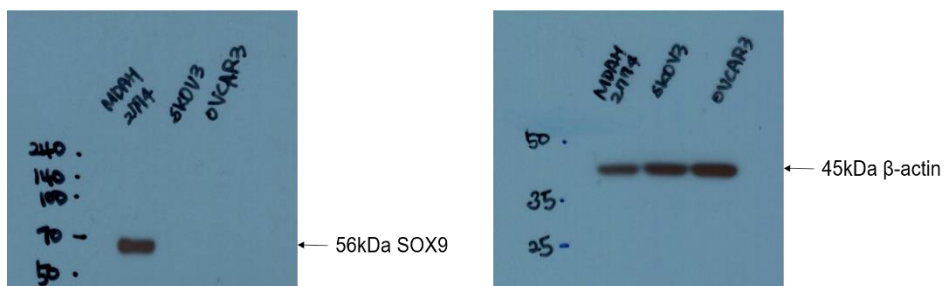


Table S1. The shRNA sequences used for construction of SOX9 shRNA lentiviral vector and RIPK1siRNA sequences for silencing of RIPK1.

Gene Name	TRC Version	Sequence
SOX9	#1	CCGGACTTCTGAACGAGAGCGAGAACTCGAGTTCTCGCTCTCGTTCAGAA GTTTTTTG
	#5	CCGGCTCCACCTTCACCTACATGAACTCGAGTTCATGTAGGTGAAGGTGGA GTTTTTTG
Gene Name	Note	Sequence
N/A	siControl	rCrGrUrUrArArUrCrGrCrGrUrArUrArArUrArCrGrCrGrUAT
RIPK1	siRIPK1	rCrCrArCrUrArGrUrCrUrGrArCrGrGrArUrArArArCrArCCT

Table S2. The primer sequences used for quantitative real-time PCR.

Gene Name	Forward Primer sequence	Reverse Primer sequence
GAPDH	5'-GCACCACCAACTGCTTAGC-3'	5'-GGCCATCCACAGTCTTCTG-3'
SOX9	5'-GCGAAATCAACGAGAAACTGG-3'	5'-CAAAGTCCAAACAGGCAGAGA-3'
ALDH1A1	5'-GCACGCCAGACTTACCTGTC-3'	5'-CCTCCTCAGTTGCAGGATTAAAG-3'

Table S3. The primer sequences used to clone all fusion constructs for the Y2H assay.

Gene Construct	Forward Primer sequence	Reverse Primer sequence
Sox9 (1-509)	5'-ATTGAATTCATGAATCTCCTGGACCCC-3'	ATTCTCGAGTCAAGGTCGAGTGAGCTG-3'
Sox9 (1-204)	5'-ATTGAATTCATGAATCTCCTGGACCCC-3'	ATTCTCGAGTCAGAAGATGGCGTTGGG-3'
Sox9 (205-386)	5'-ATTGAATTCAAGGCGCTGCAGGCCGAC-3'	ATTCTCGAGTCAGCTCAGCGTGGTCAG-3'
Sox9 (387-509)	5'-ATTGAATTCAGCGAGCCGGGCCAGTCC-3'	ATTCTCGAGTCAAGGTCGAGTGAGCTG-3'
hRIPK1 (1-671)	5'-CGGGAATTCATGCAACCAGACATGTCC-3'	CGGCTCGAGTTAGTTCTGGCTGACGTA-3'
hRIPK1 (1-300)	5'-CGGGAATTCATGCAACCAGACATGTCC-3'	CGGCTCGAGTTAGTCCTTCTTACTACT-3'
hRIPK1 (301-579)	5'-CGGGAATTCGTGAAGAGTTTAAAGAAA-3'	CGGCTCGAGTTAGGTATTATCAAAGAT-3'
hRIPK1 (580-671)	5'-CGGGAATTCAGTAGTCTGACGGATAAA-3'	CGGCTCGAGTTAGTTCTGGCTGACGTA-3'