Supplementary Materials

Supplementary Figures

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Figure S1

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A, IHC staining analysis for 147 human lung cancer specimens with antibodies against Spt16, Rb, and MCM7 as indicated.

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B, The levels of Spt16, Rb, and MCM7 were quantified.







A, MTT analyses in A549 and NCI-H1299 lung cancer cells treated with 0.3 μ M CBL0137 as indicated.

B, Colony formation assays in A549 and NCI-H1299 cells treated with 0.3 μ M CBL0137 as indicated.

C, Flow cytometry (FACS) analyses with Annexin-V and 7-AAD double staining in A549 and NCI-H1299 cells treated with 0.3 μ M CBL0137 for 48 h as indicated to determine the

effects of CBL0137 on cell apoptosis.

D and **E**, Western blot analyses in A549 and NCI-H1299 cells treated with 0.3 μ M CBL0137 for 48 h as indicated.

F, Immunofluorescence (IF) analyses with phosphorylated BRCA1 (p-BRCA1) antibodies

in A549 and NCI-H1299 cells treated with 0.3 μM CBL0137 for 48 h as indicated.

Figure S3







Figure S3. The combinatorial effect of miR-1227-5p induction and CBL0317 treatment on cell growth and apoptosis.

A, MTT analyses in A549 lung cancer cells treated with 0.3 μM CBL0137, or transfected with miR-1227-5p, or combined (transfected with miR-1227-5p and treated with CBL0137) as indicated.

B, A549 cells treated as in A were subjected to Flow cytometry (FACS) analyses with Annexin-V and 7-AAD double staining to determine the effects of CBL0137 on cell apoptosis.

Table S1.	Sequences	of siRNAs	and shRNAs.

Name	Sequences
siSpt16-#1	CGAGUGAAGAGACUGUACATT
siSpt16-#2	GAGUCAUGGAAAUAGUUGATT
shSpt16	CGAGTGAAGAGACTGTACA

Table \$	S2. Prim	er sequences	used for	RT-qPCR	analyses.
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Primer Name	Sequences
GAPDH	Forward: CTCCTCCACCTTTGACGCTG,
	Reverse: TCCTCTTGTGCTCTTGCTGG.
Spt16	Forward: TCAATGGCTTCCGCTTCACATCTG,
	Reverse: CATCCGTGTGCCGCTTCTTCC.
MCM7	Forward: GCTGATGCCGTACAAGAG,
	Reverse: AGCAGGGTACTGGTTCTG.
Rb	Forward: GACCAACTGATCACCTTGAATC,
	Reverse: ATTTCAATGGCTTCTGGGTCTG.