SUPPLEMENTARY FIGURE LEGEND

Figure S1. Deletion of hUHRF1-interacting region from G9a impairs its colocalization with hUHRF1 in nuclei. Subnuclear localization of GFP-hUHRF1 and DsRed-NΔG9a in COS-7 cells is shown. The DsRed-NΔG9a indicates a RFP-fused G9a mutant lacking the N-terminal UHRF1 interacting region (amino acids 1-394).

Figure S2. Bisulfite sequencing of CpG dinucleotides in the p21 promoter. (A) The CpG dinucleotides of p21 promoter spanning -398 to +11 relative to the transcription start site. 29 CpGs within the sequence are underlined and numbered. The TATA box is indicated. (B) Genomic DNA from control siRNA-transfected HeLa cells was treated with bisulfite, and the p21 promoter (-398 to +11) was amplified by PCR. The PCR products were ligated into pCR2.1-TOPO by using the TA cloning system, and sequenced. Bisulfite sequencing data of 20 strands are shown. Symbols: ○, unmethylated cytosines; ●, methylated cytosines.
Figure S1

GFP-hUHRF1  DsRed-N\(\Delta\)G9a  Merged  Nucleus  Nucleus/Merged
Figure S2

A

- 398  aaattcttgccctgcagagcggtcagcgggtgagccagaaaggggctca
- 348  ttctacagtgcgtgctctccctggaggtgccaactcatttctccaaagta
- 298  aaaaaagccagattttgtgctcacttcgtgggaaatgtgtccagccgac
- 248  caaggcaggggaggaggaagggaggaagtgcctcctgcaagcag
- 198  cggagttcgggaccggctgctggagactggaactgccccaggctagccgtgc
- 148  tccggccgctggccacagcccagctgcccagggccacgggaggggtccccgggc
- 98   gcgcctgggccagcggccctgggcctctcctggagccggccccgggaggcg
- 48   ggtgtgatatcagggccggctggctagctgcccagctgaggtgtgtgaggac
  gctgcccagaag

  Transcription start site

B

|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
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