

Figure S1. Expression levels of AKAP1 in non-small cell lung cancer cells after 5-Aza-dC treatment. (A) mRNA and (B) protein expression levels of AKAP1 in H1299 cells after 5-Aza-dC treatment were analyzed using reverse transcription-quantitative PCR and western blotting. The mRNA expression levels were normalized to those in the NC group. An unpaired t-test was used for analysis. * $P < 0.05$ vs. NC group. 5-Aza-dC, 5-Aza-2'-deoxycytidine; AKAP1, A-kinase anchoring protein 1; NC, negative control.

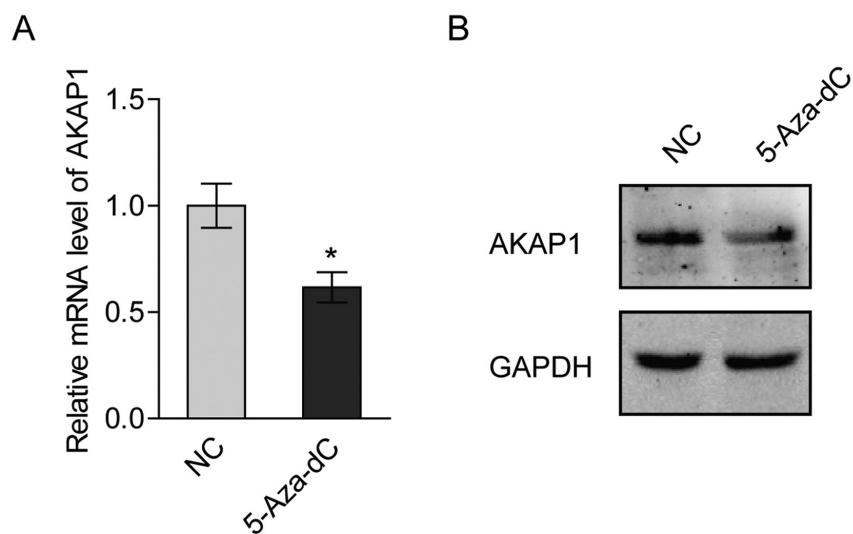


Figure S2. Efficiency of AKAP1 overexpression in H1299 cells. The protein expression levels of AKAP1 were analyzed by western blotting in H1299 cells transfected with AKAP1 overexpression plasmids. AKAP1, A-kinase anchoring protein 1; EV, empty vector.

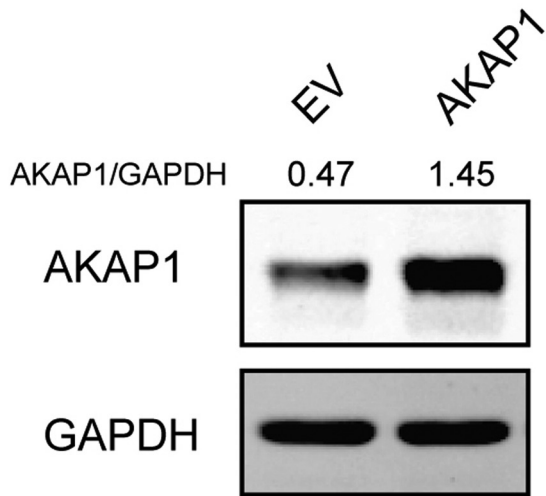


Table SI. Sequencing results after DNA sodium bisulfite conversion.

Clone	Sequence (5'-3')
Adjacent tissues	
Clone 1	gtgatttt gtg agaaaattagtggttgttttttgggtt g tcggtatgtat gtg cggtg cggtg tatatatatatatat acgtg tgtgt gtg ttttttttttat ttt gat
Clone 2	gtgatttt gtc agaaaattagtggttgttttttgggtt g tggtatgt acgtg cgcggtg cggtg tatatatatatatat gtg tgtgt gtg ttttttttttat ttt gat
Clone 3	cg atttt gtc agaaaattagtggttgttttttgggtt g tcggtatgtat gtg g cgcggtg gtatatatatatatat gtg tgtgt gtg ttttttttttat ttt gat
Clone 4	gtgatttt gtc agaaaattagtggttgttttttgggtt g tggtacgtat gtg g cggtg cggtg gtatatatatatatat acgtg tgtgt gtg ttttttttttat ttt gat
Clone 5	gtgatttt gtg agaaaattagtggttgttttttgggtt g tggtatgt acgcgtg gtg gtg cg gtatatatatatatat atg tgtgt gtg ttttttttttat ttt gat
Clone 6	gtgatttt gtc agaaaattagtggttgttttttgggtt g tggtacgt acgcgtg gtg gtg cg gtatatatatatatat atg tgtgt gtg ttttttttttat ttt gat
Clone 7	cg atttt gtg agaaaattagtggttgttttttgggtt g tggtatgtat gtg g cgcggtg gtatatatatatatat acgtg tgtgt gtg ttttttttttat ttt gat
Non-small cell lung cancer tissues	
Clone 1	gtgatt cg tcgagaaaattagtggttgttttttgggtt g tcggt acgtacgcgtg cgcgcg gtatatatatatatat gtg tgtgt gtg ttttttttttat ttt gat
Clone 2	gtgatt cg tcgagaaaattagtggttgttttttgggtt g tggt acgtacgcgtg cgcgcg gtgtatatatatatatat acgtg tgtgt gtg ttttttttttat ttt gat
Clone 3	gtgatttt gtg agaaaattagtggttgttttttgggtt g tcggtacgt acgcgtg cgcgcg cggtatatatatatatat acgtg tgtgt gtg ttttttttttat ttt gat
Clone 4	cg att cg tcgagaaaattagtggttgttttttgggtt g tggt acgtacgcgtg cgcgcg cggtatatatatatatat gtg tgtgt gtg ttttttttttat ttt gat
Clone 5	gtgatt cg tcgagaaaattagtggttgttttttgggtt g tcggt acgtacgcgtg cgcgcg cggtatatatatatatat acgtg tgtgt gtg ttttttttttat ttt gat
Clone 6	gtgatt cg tcgagaaaattagtggttgttttttgggtt g tggt acgtacgcgtg cggtg cgcg gtatatatatatatat atg tgtgt gtg ttttttttttat ttt gat
Clone 7	gtgatttt gtc agaaaattagtggttgttttttgggtt g tcggtatgt acgcgtg cgcgcg gtgtatatatatatatat acgtg tgtgt gtg ttttttttttat ttt gat

CpG sites are presented in bold.