

Adenoviral Knockdown Virus Data Sheet

Vector Information

Vector: E1/E3 deleted adenoviral serotype 5 vector
 Expression cassette: shRNA under control of human U6 promoter

Target Information

Target Gene: SIRT1
 Specimen: Homo sapiens
 RefSeq#: NM_012238

Validation

Validation Method: qRT-PCR, Relative Quantification
 Cell line used for validation: A549
 RNA prepared: 48h post transduction
 Total RNA used in RT: 1 µg
 cDNA Primer: Random Hexamer
 Real Time Platform: Light Cycler 480 (Roche)
 Detection Method: SYBR I
 Reference Gene: Topoisomerase 1 (TOP1)
 Amplicon Integrity verified by: Melting Point Analysis

Results

Viral vector	Target mRNA expression rel. to Ctrl
Ad 219	82%
Ad 216	50%
Ad 217	16%

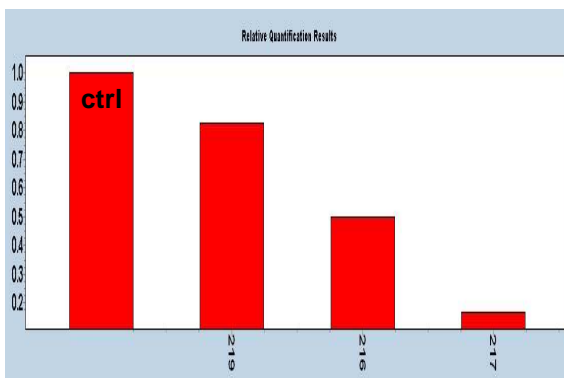


Figure 1

Reduction of SIRT1 mRNA 48h after transduction with adenoviral vectors expressing 3 different target-specific shRNAs in comparison to cells transduced with control vector