

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

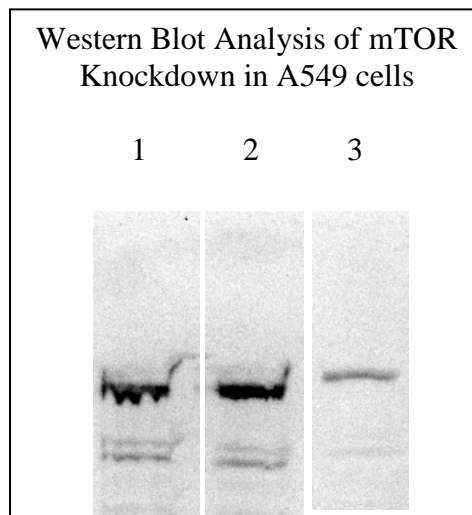
Target Gene: **mTOR**
Specimen: Homo sapiens
RefSeq#: NM_004958

Validation

Validation Method: Western Blot
Cell line used for validation: A549
Total protein prepared: 64 h post transduction
Antibody used for validation: CST antibody #2972
Detection Method: ECL
Quantification Method: Densitometrically
Quantification Software: Quantity One (BioRad)

Results

KD rel. to none transduced cells: 80%
KD rel. to cells transduced with control virus: 70%



Western Blot showing mTOR expression in extracts prepared from A549 cells (lane 1), A549 cells transduced with control vector (lane 2) and with the adenoviral vector Ad-shmTOR1 expressing a shRNA directed against mTOR1 mRNA (lane 3).