

## 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

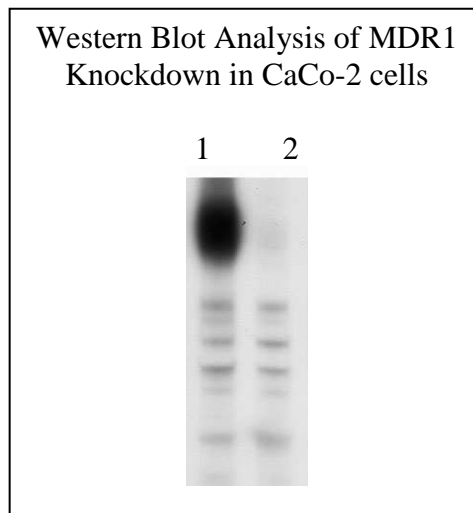
Target Gene: **multidrug resistance (MDR1)**  
Specimen: homo sapiens  
RefSeq#: NM\_000927

### Validation

Validation Method: Western Blot  
Cell line used for validation: CaCo-2  
Total protein prepared: 64 h post transduction  
Antibody used for validation: CST antibody #3738  
Detection Method: ECL  
Quantification Method: Densitometrically  
Quantification Software: Quantity One (BioRad)

### Results

KD rel. to none transduced cells 95%



Western Blot showing MDR1 expression in extracts prepared from CaCo-2 cells (lane1), CaCo-2 Cells transduced with the adenoviral vector Ad-shMDR1 expressing a shRNA directed against MDR1 mRNA (lane 3).