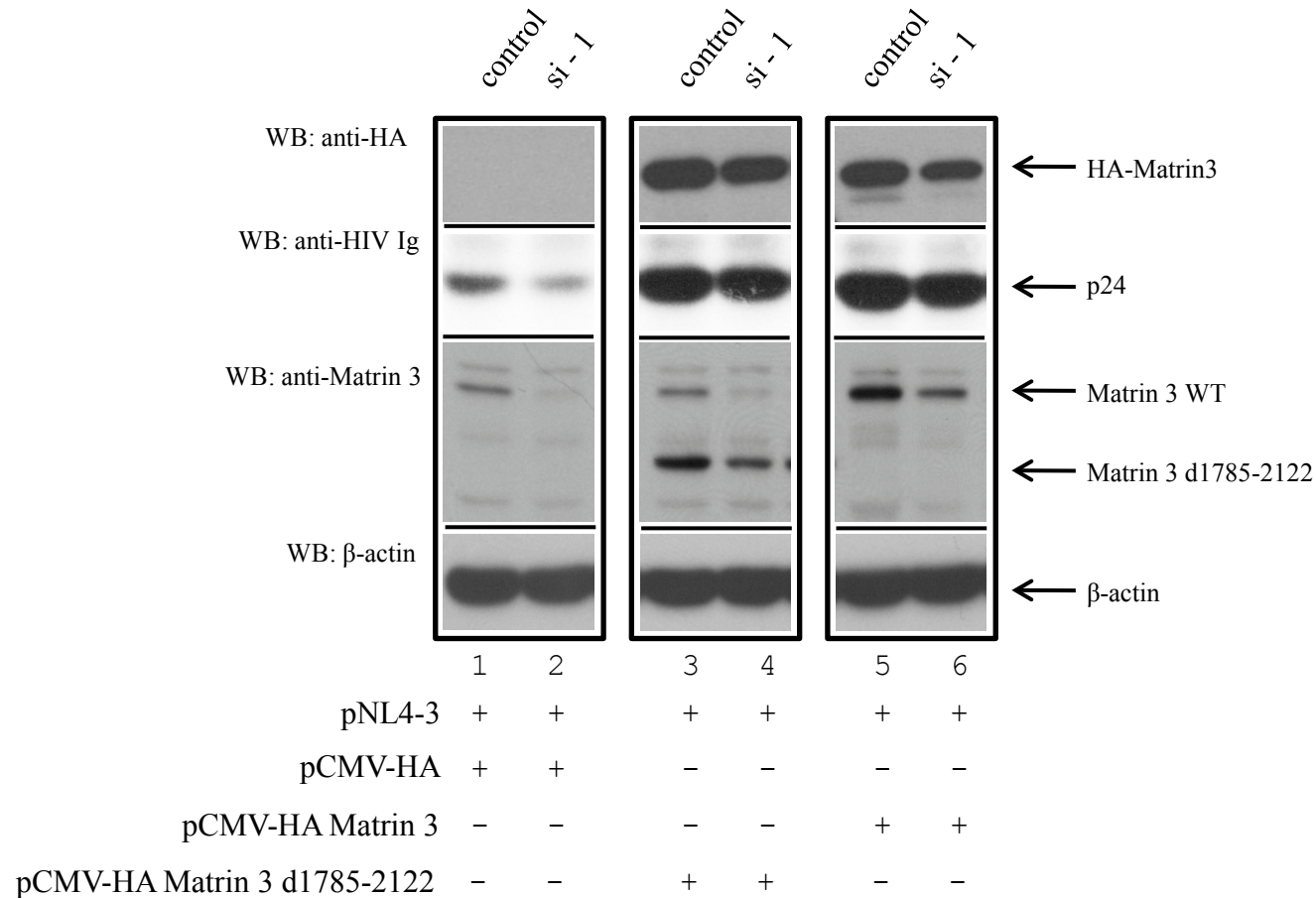




Supplemental figure 1. Overexpression of Matrin 3 rescues matrin 3 siRNA mediated suppression of HIV-1 gene expression. HeLa cells were transfected with Matrin 3 siRNA along with pNL4-3 and the indicated matrin 3 expression constructs. Cell lysates were collected and analyzed by Western blotting. As shown the matrin 3 siRNA knocked down cell endogenous matrin 3 (compare lane 1 and 2, middle panel), but the overexpression of matrin 3 restored the the matrin 3 levels in the cell (compare lane 1 and 6 middle panel). Knockdown of matrin 3 suppressed HIV-1 gene expression as indicated by measured p24 levels (lane 2); conversely the increased expression of matrin 3 from transfected plasmids restored HIV-1 gene expression (lane 6).