Supporting information. Figure 1

<table>
<thead>
<tr>
<th>Nuclear fraction</th>
<th>Cytosolic fraction</th>
<th>ER marker</th>
</tr>
</thead>
<tbody>
<tr>
<td>KDEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HDAC-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Histone H4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HNF-1α</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Efficiency of nuclei isolation from Huh7 cells. Western blotting were performed using specific antibodies against KDEL (ER marker), histone deacetylase 1 (HDAC-1), histone H4, and hepatocyte nuclear factor 1 alpha (HNF-1α) (nuclear proteins)
Supporting information. Figure 2

PROTEIN SPECIES ENRICHED IN THE INFECTED NUCLEI (2D SECTIONS)

Spot 1236
Spot 1246
Spot 1494
Spot 1525
Spot 1645
Spot 1525
Spot 1679
Spot 2395
Spot 2430
Spot 1860
Spot 2198
Spot 2234
Spot 2273
Spot 2234
Spot 2385
Spot 2979
Spot 3022
PROTEIN SPECIES DEPLETED IN THE INFECTED NUCLEI (2D SECTIONS)

Mock nuclei | Infected nuclei
---|---
Spot 1101 | Spot 1107
Spot 1296 | Spot 1299
Spot 1300 | Spot 1394
Spot 2096 | Spot 2173
Spot 2678 | Spot 2317
Spot 1413 | Spot 1443
Spot 1610 | Spot 1836
Spot 1837 | Spot 2074
Subcellular localization analysis was carried out through the use of Ingenuity Pathway Analysis (Ingenuity Systems, www.ingenuity.com) and Human Protein Reference Database (www.hprd.org)

- Nuclear/nucleolar proteins: 72.7%
- Cytosolic proteins: 15.6%
- Microsomal proteins: 8.6%
- Unknown localization: 3.1%
Supporting information. Figure 4

QKI knockdown in Huh7 cells 36h post-transfection with control (siGL) or QKI siRNA (siQKI). QKI protein was 40-50% decreased in siQKI Huh7 cells with respect to siGL cells in all experiments performed. A representative blot is shown.

Supporting information. Figure 5

β-galactosidase activity staining. 150,000 Huh7 cells (siGL and siQKI) grown in 6-well plates were infected with HSV-1 Cgal+ (MOI=5). After incubation for 1 hour at 37°C, inocula were eliminated and cells were covered with fresh medium. At 4, and 8 hpi, cells were stained in situ for β-gal. No differences in β-galactosidase transgene expression were observed between siGL and siQKI. Three independent experiments were performed for each condition.
QKI antibody specificity. A, immunofluorescence of QKI 5 protein in SiGL and siQKI Huh7 cells. B, Western blot of QKI 5 protein in control Huh7 cells. The exposition time was 5 fold larger that in other experiments to properly assess the specificity of the antibody.
IPA legends

Path Designer Shapes

- Cytokine / Growth Factor
- Drug
- Chemical / Toxicant
- Enzyme
- G-protein Coupled Receptor
- Ion Channel
- Kinase
- Ligand-dependent Nuclear Receptor
- Peptidase
- Phosphatase
- Transcription Regulator
- Translation Regulator
- Transmembrane Receptor
- Transporter
- Complex / Group / Other

A Activation / Deactivation
RB Regulation of Binding
PR Protein-MRNA binding
PP Protein-Protein binding
PD Protein-DNA binding
B Binding (only appears prior to IPA 3.0)
E Expression
I Inhibition
L Proteolysis
M Biochemical Modification
O Other (only appears prior to IPA 3.0)
P Phosphorylation / Desphosphorylation
T Transcription
LQ Localization