A

<table>
<thead>
<tr>
<th>siRNA</th>
<th>C1</th>
<th>Tip1</th>
</tr>
</thead>
<tbody>
<tr>
<td>cisplatin</td>
<td>-</td>
<td>+</td>
</tr>
</tbody>
</table>

- PARP (protein)
- Cleaved PARP (protein)
- HDAC1/2 (protein)

B

**p21**

- Relative mRNA expression
- Cisplatin concentration: 0, 25µM

**fas**

- Relative mRNA expression
- Cisplatin concentration: 0, 25µM

C

<table>
<thead>
<tr>
<th>siRNA</th>
<th>C1</th>
<th>Tip1</th>
</tr>
</thead>
<tbody>
<tr>
<td>doxorubicin</td>
<td>-</td>
<td>+</td>
</tr>
</tbody>
</table>

- PARP (protein)
- Cleaved PARP (protein)
- HDAC1/2 (protein)
**D**

**siRNA:**
- C1
- Tip1

**p21**
- Doxorubicin concentration
  - 0
  - 0.5µg/mL

**PIG3**
- Doxorubicin concentration
  - 0
  - 0.5µg/mL

**E**

**siRNA:**
- C1
- p400

**p21**
- Cisplatin concentration
  - 0
  - 25µM

**fas**
- Cisplatin concentration
  - 0
  - 25µM

Tytica et al
Supplementary information 1
Supplementary information 1: Study of doxorubicin and cisplatin response.
A. U2OS cells were transfected with the indicated siRNAs by electroporation. 48h later, cells were treated with cisplatin (50µM) or not and 16h later, Laemmli sample buffer was added to the transfected cells to ensure extraction of total proteins. Cell extracts were then analyzed for the presence of PARP by Western Blot. The antibody used in this experiment recognizes both full-length and caspase-cleaved PARP. B. U2OS cells were transfected by the C1 siRNAs (black bars) or the Tip1 siRNAs (grey bars) by electroporation. 48h later, they were treated with cisplatin (25µM) or not, and harvested 16h later by scraping. Total RNAs were extracted and reverse transcribed. The amounts of p21 and fas cDNA were measured by Q-PCR, divided by the amount of ribosomal phosphoprotein P0 cDNA and calculated relative to 1 for cells transfected by the control siRNAs and not treated. A representative experiment is shown.
C. Same as in A except that cells are treated with 1µg/mL doxorubicin for 8h. D. Same as in B except that cells are treated with 0.5µg/mL doxorubicin for 16h. The amounts of p21 and PIG3 cDNA were measured by Q-PCR. E. U2OS cells were transfected by the C1 siRNAs (black bars) or the p400 siRNAs (grey bars) by electroporation. 48h later, they were treated with cisplatin (25µM) or not, and harvested 16h later by scraping. Total RNAs were extracted and reverse transcribed. The amounts of p21 and fas cDNA were measured by Q-PCR, divided by the amount of ribosomal phosphoprotein P0 cDNA and calculated relative to 1 for cells transfected by the control siRNAs and not treated. A representative experiment is shown. F. Same as in E except that cells are treated with 0.5µg/mL doxorubicin for 16h.