Supplementary Figure S1
(Quantification of the immunoblotting in Fig. 2E, 3C, 4C, and 4F.)

Fig. 2E

**p27^{kip1}**

|       | HSC-3 | SAS |
|-------|-------|-----|
| shMock |       |     |
| shSYT12| *     |     |

**cyclin E**

|       | HSC-3 | SAS |
|-------|-------|-----|
| shMock |       |     |
| shSYT12| *     |     |

**CDK2**

|       | HSC-3 | SAS |
|-------|-------|-----|
| shMock |       |     |
| shSYT12| *     |     |

Fig. 3C

**CAMK2N1**

|       | HSC-3 | SAS |
|-------|-------|-----|
| shMock |     |     |
| shSYT12| *     |     |

**CAMK2**

|       | HSC-3 | SAS |
|-------|-------|-----|
| shMock |     |     |
| shSYT12| *     |     |

**p-CAMK2**

|       | HSC-3 | SAS |
|-------|-------|-----|
| shMock |     |     |
| shSYT12| *     |     |

Fig. 4C

**SYT12**

|       | HSC-3 | SAS |
|-------|-------|-----|
| 0     | 25    | 50  |
| 100   | 150   | 200 |

Fig. 4F

**p27^{kip1}**

|       | HSC-3 | SAS |
|-------|-------|-----|
| L-dopa(-) |     |     |
| L-dopa(+) | *     |     |

**cyclin E**

|       | HSC-3 | SAS |
|-------|-------|-----|
| L-dopa(-) |     |     |
| L-dopa(+) | *     |     |

**CDK2**

|       | HSC-3 | SAS |
|-------|-------|-----|
| L-dopa(-) |     |     |
| L-dopa(+) | *     |     |
Supplementary Figure S2
(Full length blots of Fig.1B, 2B, 2E, 3C, 4C and 4F.)

Fig. 1B
SYT12
47kDa
GAPDH
47kDa

Fig. 2B
SYT12
47kDa
GAPDH
37kDa

Fig. 2E
p27^kip1
cyclin E
CDK2
GAPDH
53kDa
30kDa
37kDa

Fig. 3C
CAMK2N1
CAMK2
p-CAMK2
GAPDH
19kDa
54kDa
50kDa
37kDa

Fig. 4C
SYT12
GAPDH
SYT12
GAPDH
47kDa
37kDa
47kDa
37kDa

Fig. 4F
p27^kip1
cyclin E
CDK2
GAPDH
27kDa
53kDa
30kDa
37kDa