Manuscript title: Nuclear accumulation of KPNA2 impacts radioresistance through positive regulation of the PLSCR1-STAT1 loop in lung adenocarcinoma

Figure 1A & 1B

Figure 3I
CL1-0

c-MYC (57 KDa)

KPNA2 (52 KDa)

GAPDH (37 KDa)

PE089

OCT4 (45 KDa)

KPNA2 (52 KDa)

GAPDH (37 KDa)
Figure 3J

**CL1-0 P2S2**

**OCT4 (48 KDa)**

**KPNA2 (52 KDa)**

**GAPDH (37 KDa)**

**Wc** **Nu** **Cy**

**KPNA2 (52 KDa)**

**p-AKT (60 KDa)**

**AKT (62 KDa)**

**GAPDH (37 KDa)**

**Histone (17 KDa)**
GAPDH (37 KDa)  Histone (17 KDa)

OCT4 (48 KDa)

c-MYC (57 KDa)

GAPDH (37 KDa)  Histone (17 KDa)

P2S2

Wc  Nu  Cy

p-AKT (60 KDa)

AKT (62 KDa)

GAPDH (37 KDa)  Histone (17 KDa)

KPNA2 (52 KDa)
Figure 6B

- OCT4 (48 KDa)
- c-MYC (57 KDa)
- GAPDH (37 KDa)
- Histone (17 KDa)
- KPNA2 (52 KDa)
- PLSCR1 (35 KDa)
- GAPDH (37 KDa)
- Histone (17 KDa)
Figure 6C

**CL1-0**

- KPNA2 (52 KDa)

**PE089**

- KPNA2 (52 KDa)

**Figure 6D**

- STAT1 (84-91 KDa)

- GAPDH (37 KDa)

- KPNA2 (52 KDa)

- PLSCR1 (35 KDa)

- GAPDH (37 KDa)
Figure 6E

- **PLSCR1 (35 KDa)**
- **β-actin (43 KDa)**

KPNA2-tdTomato

- KPNA2-Myc
- PLSCR1
- β-actin
Figure 7A, B

CL1-0

STAT1 (84-91 KDa)

PLSCR1 (35 KDa)

KPNA2 (52 KDa)

β-actin (43 KDa)

PE089

STAT1 (84-91 KDa)

PLSCR1 (35 KDa)

KPNA2 (52 KDa)

β-actin (43 KDa)
Figure 7E

CL1-0 VC, Flag-tagged PLSCR1, 24h

- ABCG2
- Flag-PLSCR1
- E-cadherin
- Actin
- Vimentin
- OCT4
- c-MYC
- STAT1

CL1-0 VC, Flag-tagged PLSCR1, 40h

- ABCG2
- e-MYC
- STAT1
- E-cadherin
- Flag-PLSCR1
- Vimentin
- Actin
- OCT4
Figure 8B

Figure 8D