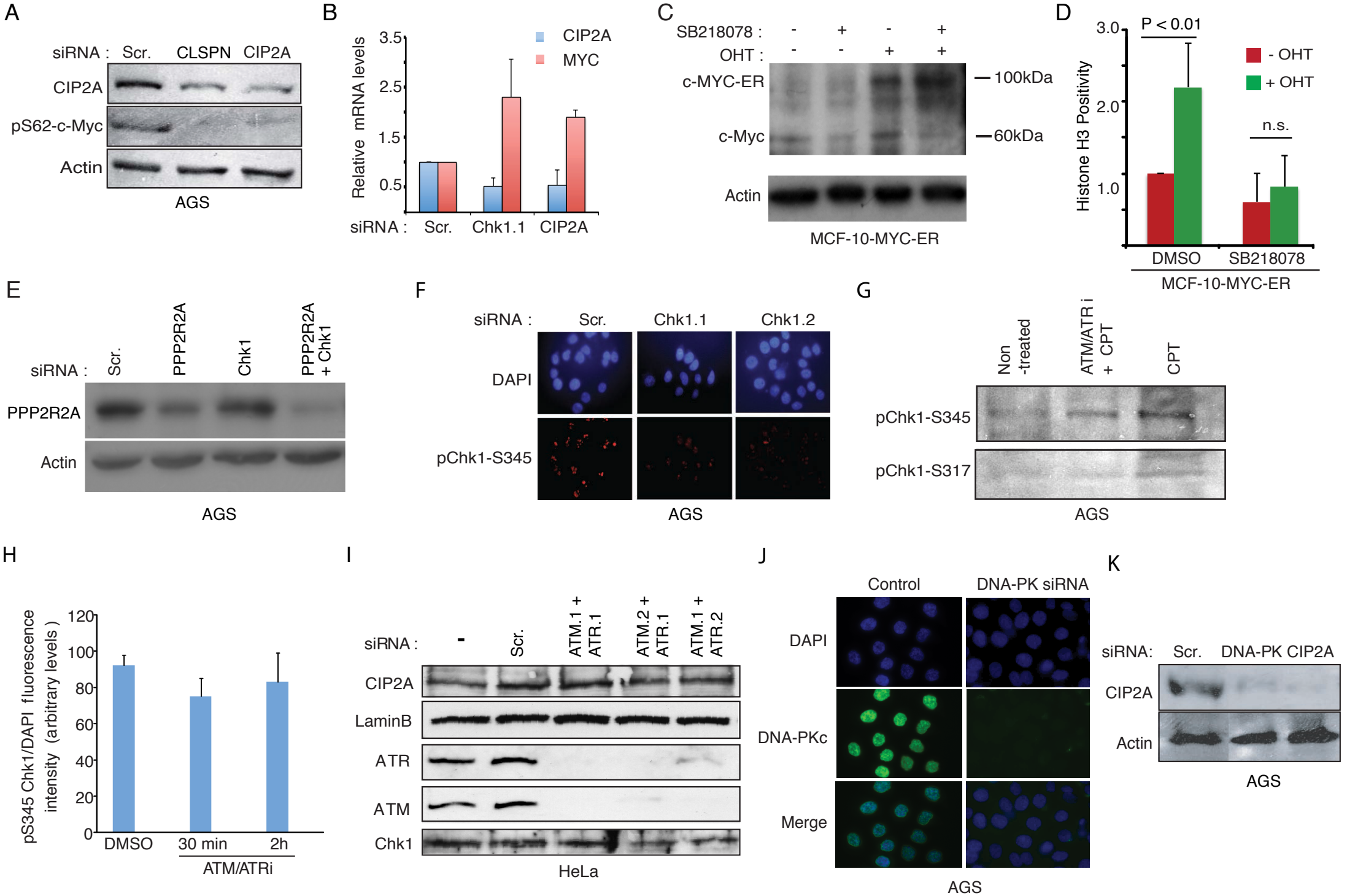
A
siRNA : Scr. CLSPN CIP2A
CIP2A
pS62-c-Myc
Actin
AGS
B
CIP2A
MYC
Relative mRNA levels
3.5
2.5
1.5
0.5
siRNA : Scr. Chk1.1 CIP2A
C
SB218078 : - + - +
OHT : - - + +
c-MYC-ER
c-Myc
Actin
100kDa
60kDa
MCF-10-MYC-ER
D
P < 0.01
n.s.
- OHT
+ OHT
Histone H3 Positivity
3.0
2.0
1.0
DMSO
SB218078
MCF-10-MYC-ER
E
siRNA : Scr. PPP2R2A Chk1 PPP2R2A + Chk1
PPP2R2A
Actin
AGS
F
siRNA : Scr. Chk1.1 Chk1.2
DAPI
pChk1-S345
AGS
G
Non -treated
ATM/ATR i + CPT
CPT
pChk1-S345
pChk1-S317
AGS
H
pS345 Chk1/DAPI fluorescence intensity (arbitrary levels)
120
100
80
60
40
20
0
DMSO
30 min
2h
ATM/ATRi
I
siRNA : - Scr. ATM.1 + ATR.1 ATM.2 + ATR.1 ATM.1 + ATR.2
CIP2A
LaminB
ATR
ATM
Chk1
HeLa
J
Control
DNA-PK siRNA
DAPI
DNA-PKc
Merge
AGS
K
siRNA: Scr. DNA-PK CIP2A
CIP2A
Actin
AGS

Figure S5