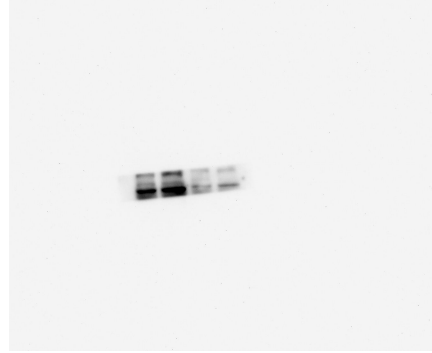


Fig 1A

The blots are grouped from left to right: Control (0Gy IR + 0 μ M PKI-587), 2Gy IR + 0 μ M PKI-587, 0Gy IR + 0.1 μ M PKI-587, 2Gy IR + 0.1 μ M PKI-587.

PI3Kp110 α 110KDa

PI3Kp110r 110KDa



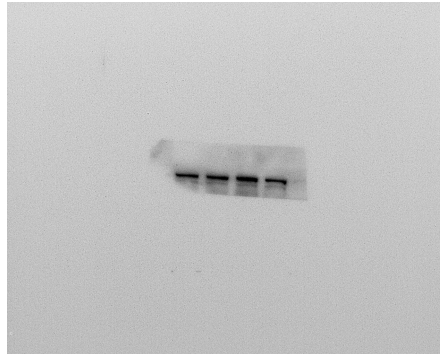
p-Akt(Ser473) 60KDa

Akt 60KDa



p-mTOR(Ser2448) 289KDa

mTOR 289KDa



β -actin 45KDa

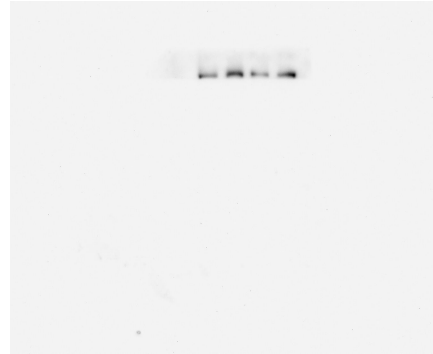
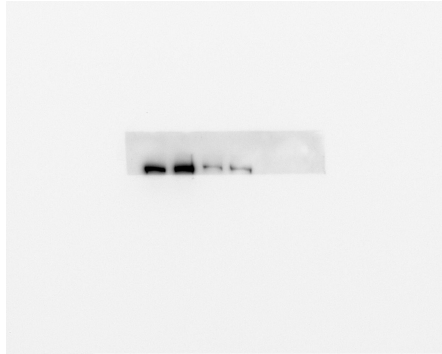


Fig 1C

The blots are grouped from left to right: Control (0Gy IR + 0 μ M PKI-587), 2Gy IR + 0 μ M PKI-587, 0Gy IR + 0.1 μ M PKI-587, 2Gy IR + 0.1 μ M PKI-587.

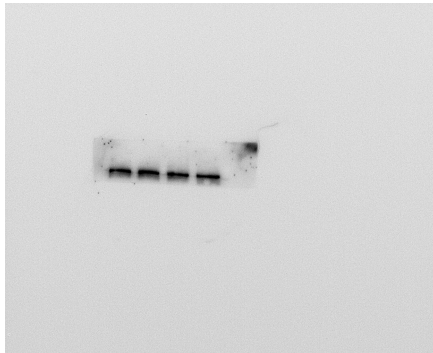
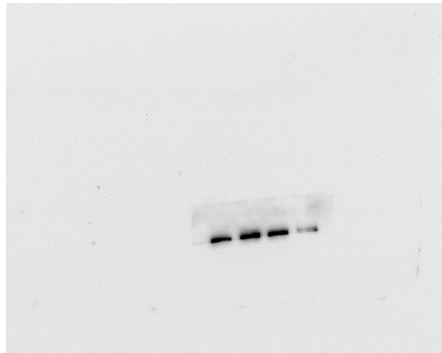
p-DNAPKcs(Ser2056) 469KDa

DNAPKcs 460-469KDa



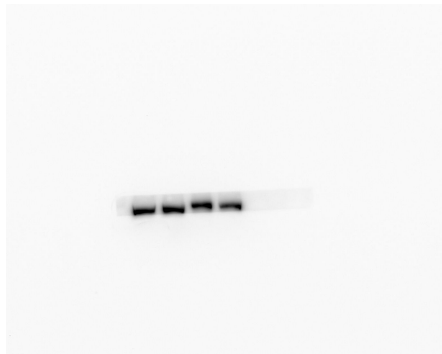
p-ATM(Ser1981) 100KDa

ATM 350KDa



p-ATR(Ser428) 300KDa

ATR 300-309KDa



β -actin 45KDa

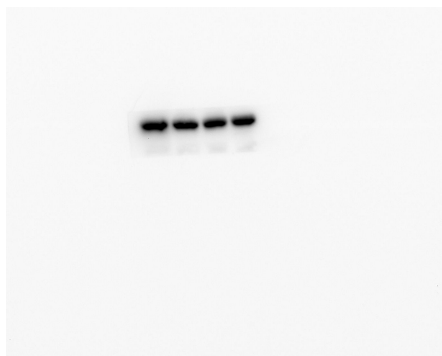
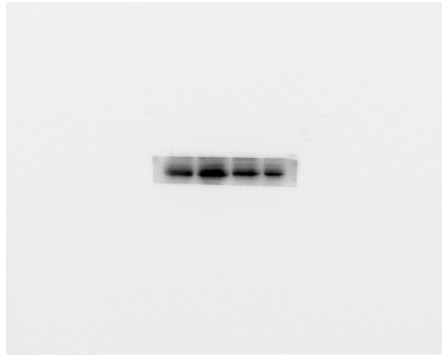


Fig 2D

The blots are grouped from left to right: Control (0Gy IR + 0 μ M PKI-587), 2Gy IR + 0 μ M PKI-587, 0Gy IR + 0.1 μ M PKI-587, 2Gy IR + 0.1 μ M PKI-587.

p-S6K1 70KDa



p70S6K KDa



β -actin 45KDa



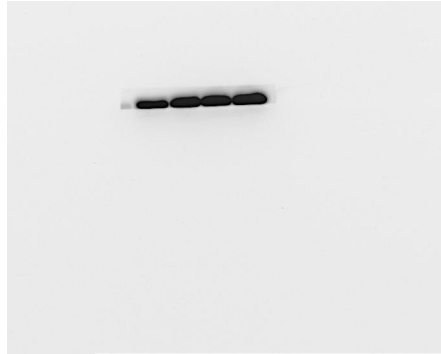
Fig 3C

The blots are grouped from left to right: 0h, 12h, 24h, 48h.

r-H2AX (2 Gy IR) 15-20KDa



β -actin 45KDa



r-H2AX (2Gy IR + 0.1 μ M PKI-587) 15-20KDa β -actin 45KDa

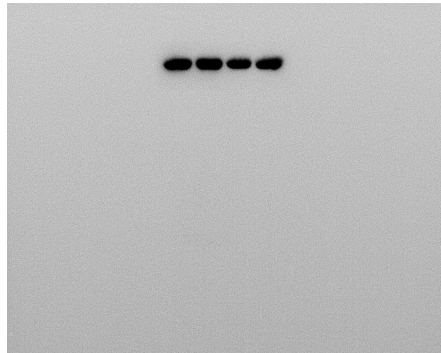
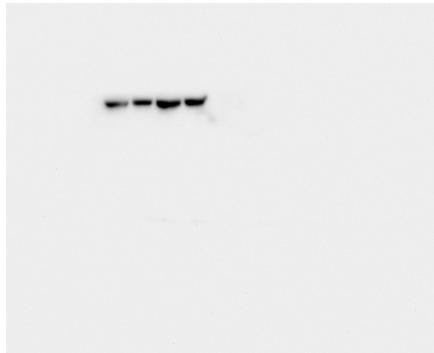
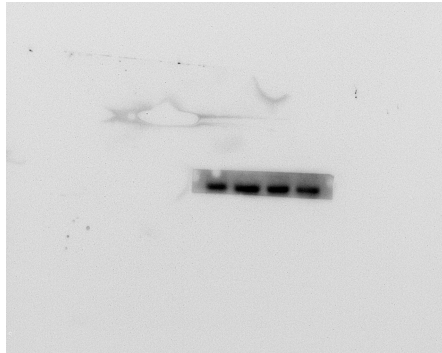


Fig 4C

The blots are grouped from left to right: Control (0Gy IR + 0 μ M PKI-587), 2Gy IR + 0 μ M PKI-587, 0Gy IR + 0.1 μ M PKI-587, 2Gy IR + 0.1 μ M PKI-587.

p-Rb 106KDa



Rb 105KDa



CyclinD1 33KDa



β -actin 45KDa

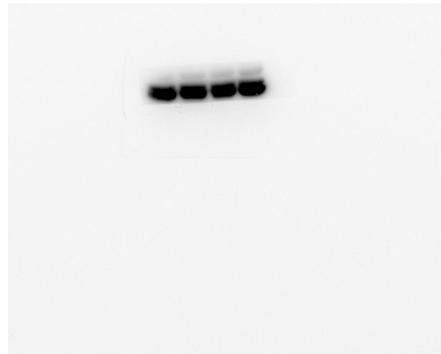
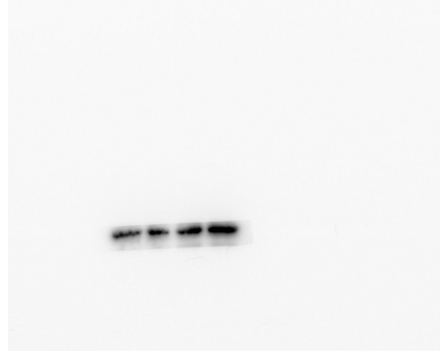
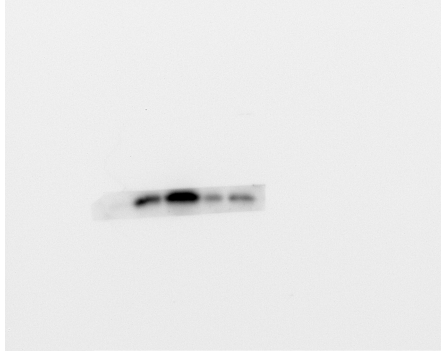


Fig 5G

The blots are grouped from left to right: Control (0Gy IR + 0 μ M PKI-587), 2Gy IR + 0 μ M PKI-587, 0Gy IR + 0.1 μ M PKI-587, 2Gy IR + 0.1 μ M PKI-587.

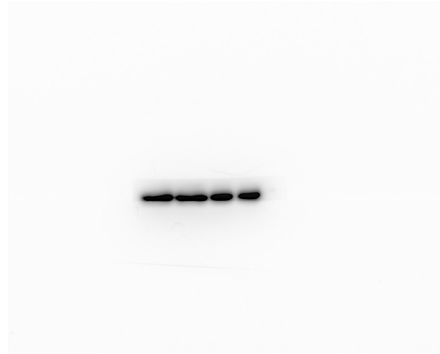
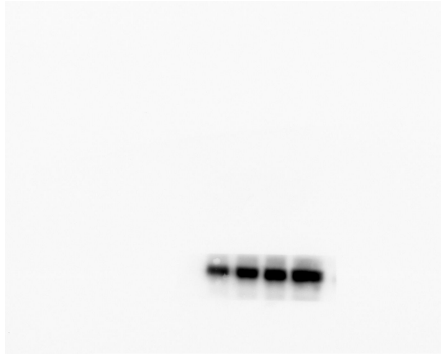
p-Bad 23KDa

Bad 25KDa



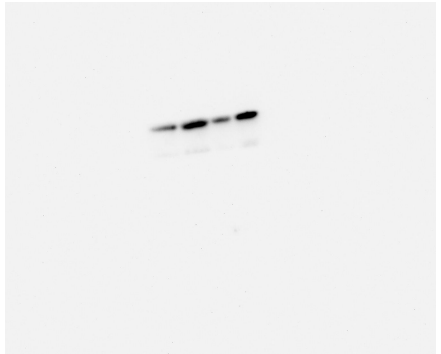
c-Caspase9 42KDa

Caspase9 42KDa



c-Caspase3 35KDa

Caspase3 37KDa

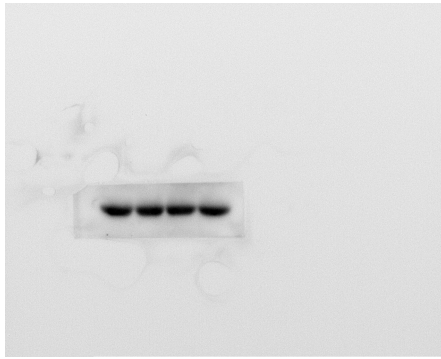


c-PARP 89KDa

PARP 116KDa



β -actin 45KDa

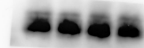


S1 Fig

The blots are grouped from left to right: Control (0Gy IR + 0 μ M PKI-587), 2Gy IR + 0 μ M PKI-587, 0Gy IR + 0.1 μ M PKI-587, 2Gy IR + 0.1 μ M PKI-587.

p-eIF4EBP1 12KDa

eIF4EBP1 18KDa



β -actin 45KDa



S2A Fig

The blots are grouped from left to right: Control (0Gy IR + 0mg/kg PKI-587), 2Gy IR + 0mg/kg PKI-587, 0Gy IR + 25mg/kg PKI-587, 2Gy IR + 25mg/kgPKI-587.

PI3Kp110 α 110KDa



p-Akt(Ser473) 60KDa



Akt 60KDa



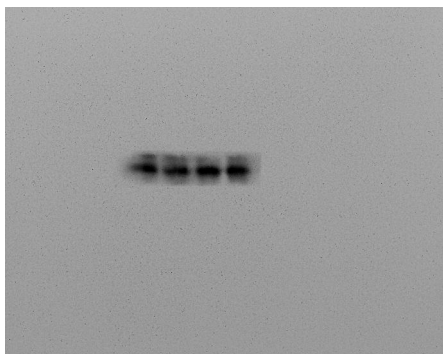
p-mTOR(Ser2448) 289KDa



mTOR 289KDa



β -actin 45KDa

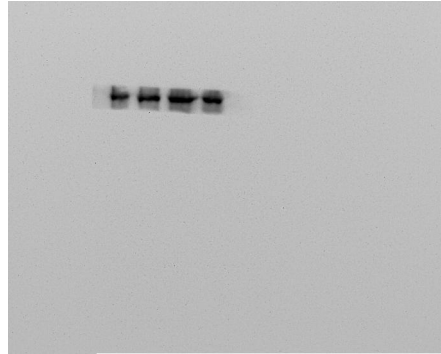


S2B Fig

The blots are grouped from left to right: Control (0Gy IR + 0mg/kg PKI-587), 2Gy IR + 0mg/kg PKI-587, 0Gy IR + 25mg/kg PKI-587, 2Gy IR + 25mg/kgPKI-587.

p-DNAPKcs(Ser2056) 469KDa

DNAPKcs 460-469KDa



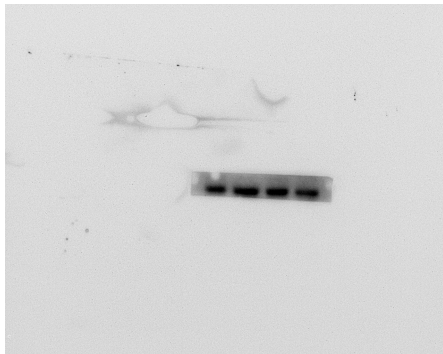
p-ATM(Ser1981) 100KDa

ATM 350KDa



p-ATR(Ser428) 300KDa

ATR 300-309KDa



β -actin 45KDa

