

A novel role for ATR/Rad3 in G1 phase

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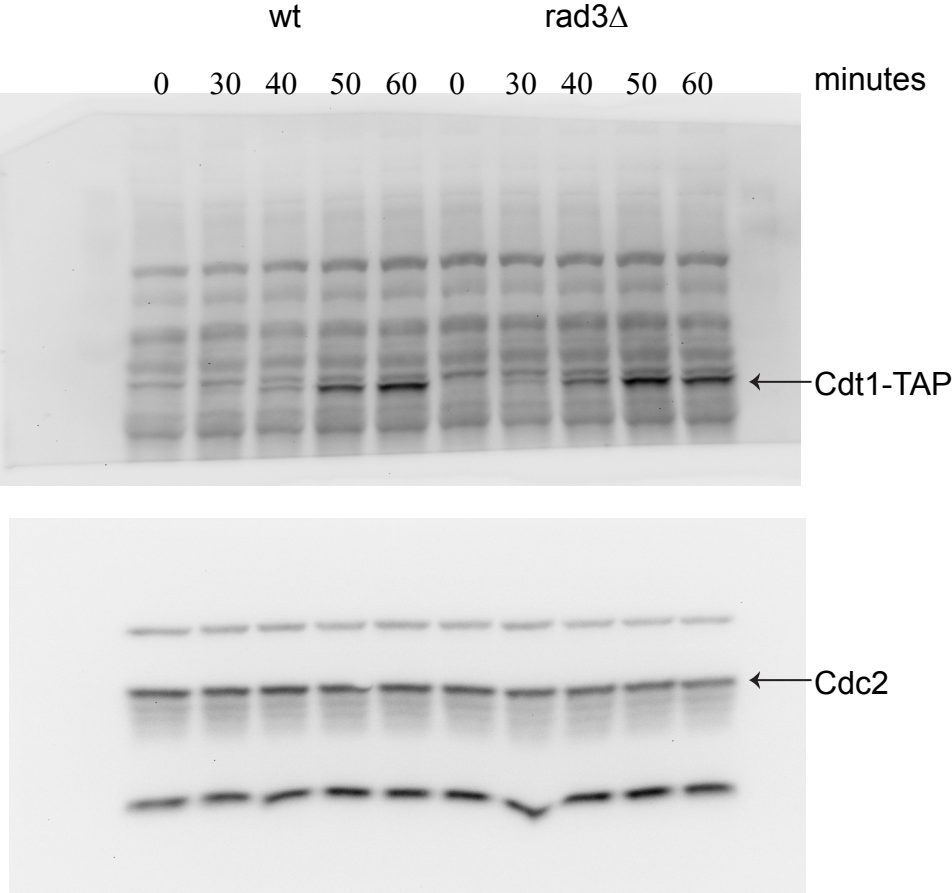
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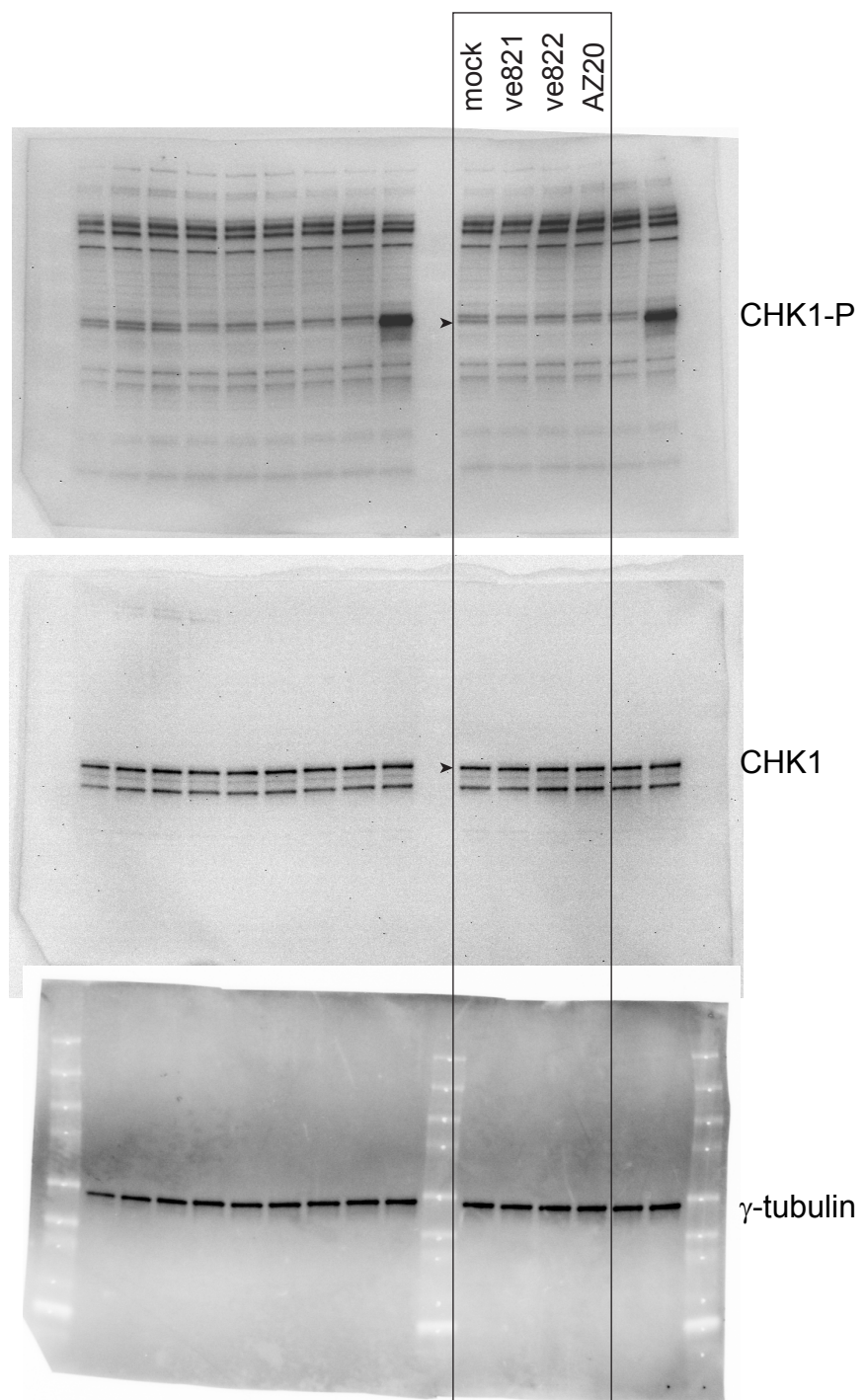
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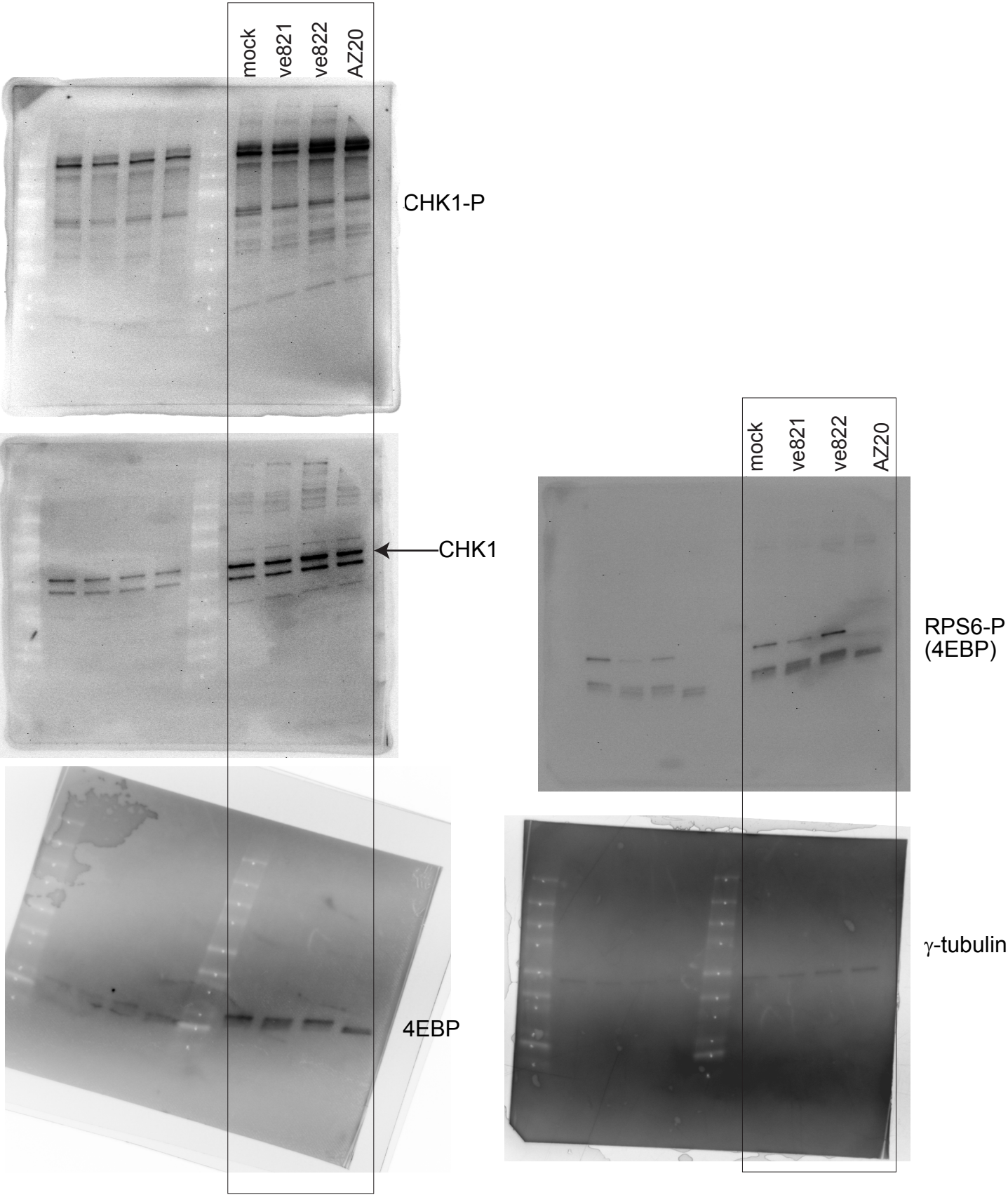
Supplementary Figure S1



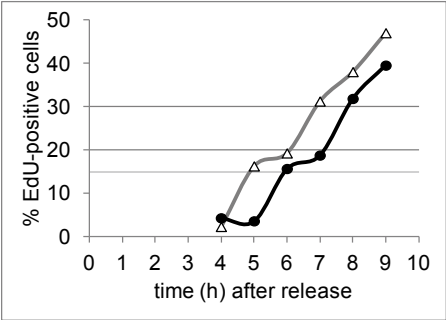
Supplementary Figure S2



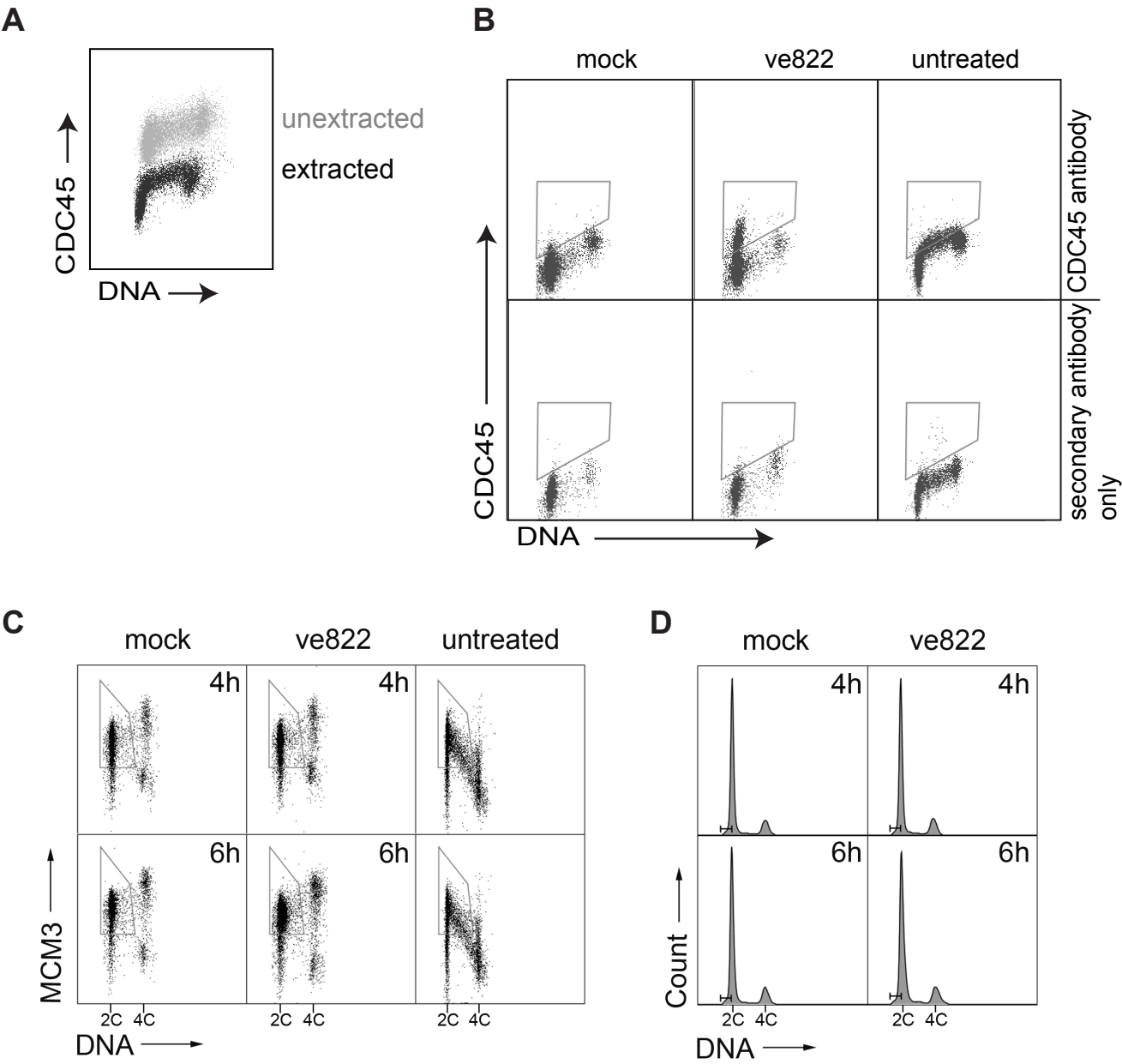
Supplementary Figure S3



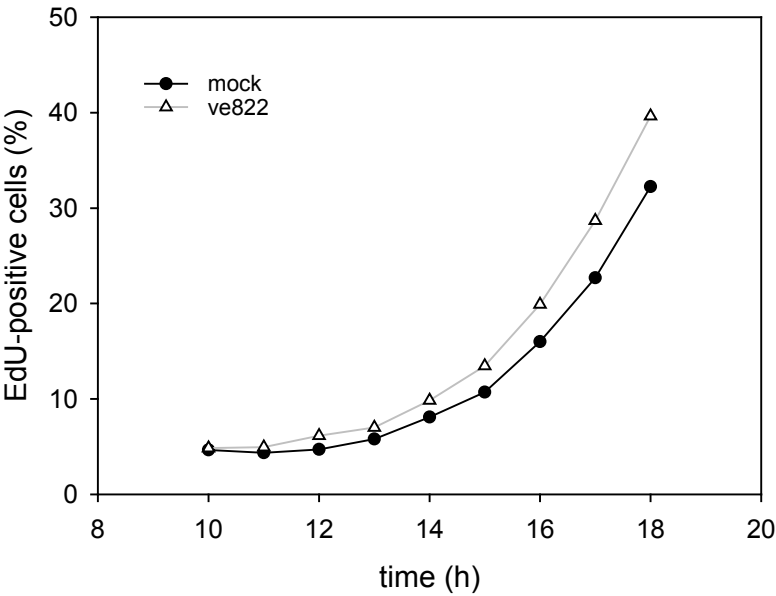
Supplementary Figure S4



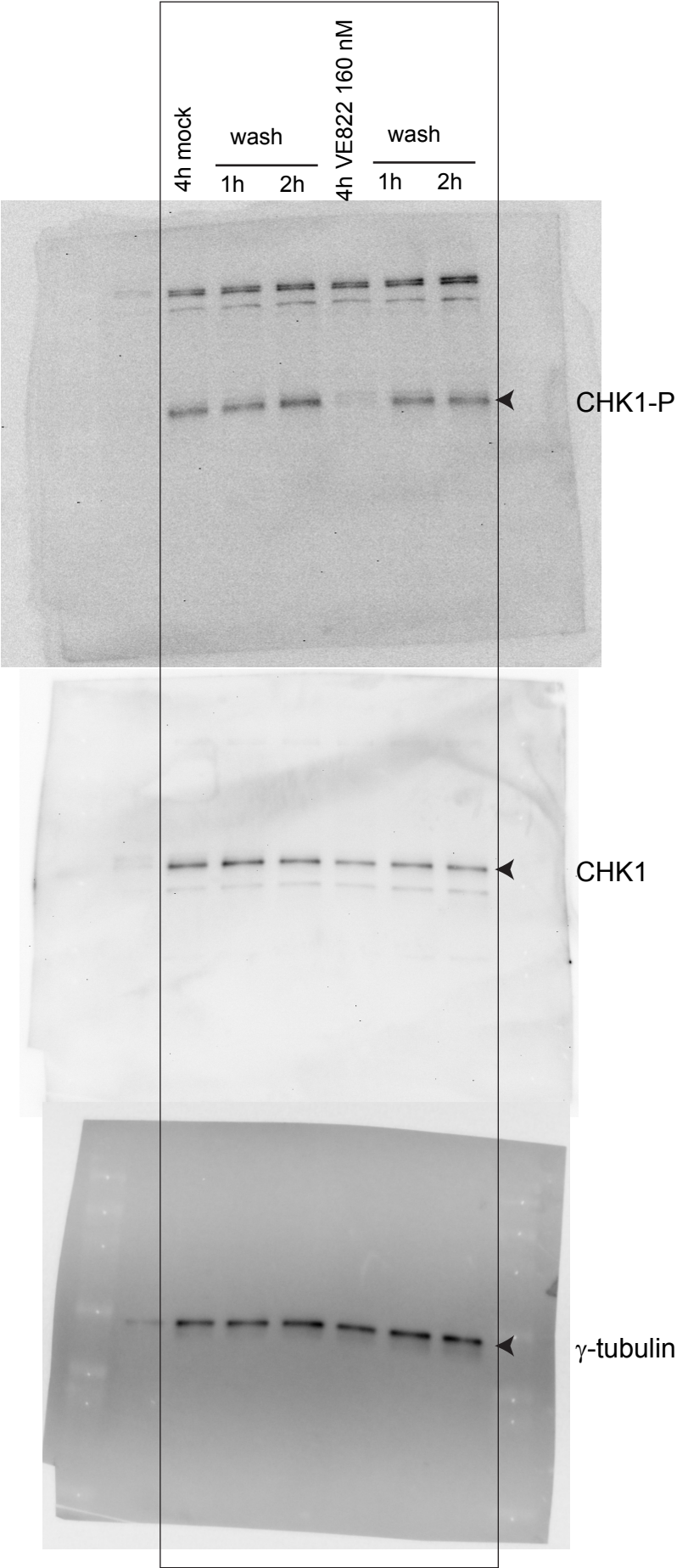
Supplementary Figure S5



Supplementary Figure S6



Supplementary Figure S7



Supplementary figure legends

Supplementary Figure S1

Full-length blots of the immunoblots shown on Fig 1C.

Supplementary Figure S2

Full-length blots of the immunoblots shown on Fig 2A.

Supplementary Figure S3

Full-length blots of the immunoblots shown on Fig 2D.

Supplementary Figure S4

Quantification of EdU-positive U2OS cells at the indicated time points after shake off of mitotic cells. 160nM ve822 () or mock (DMSO) were added 1 h after release, for 4 h and the number of EdU-positive cells were counted by microscopy. A representative experiment is shown.

Supplementary Figure S5

Quantification of CDC45 and MCM signal intensity in G1 cells by flow cytometry.

A. CDC45 levels in extracted and not-extracted cells.

B. Gating for CDC45 positive cells

C. Gating for MCM3-positive cells.

D. DNA histograms.

Supplementary Figure S6

Analysis of EdU incorporation in BJ cells synchronized in G0, released into the cell cycle and treated with ATR inhibitor. Each time point was performed in separate barcoding sets including a sample from exponentially growing cells not given EdU (-EdU control). Average of 2 experiments is shown.

Supplementary Figure S7

Full-length blots of the immunoblots shown on Fig 6A.

Table S1. Fission yeast strains used in this study

Strain	Genotype	Source
489	cdc10-M17	Paul Nurse
1353	cdc10-M17 rad3::ura4+ ura4-D18	Lab collection
1226	cdc10-M17 mcm2:GFP:kanR ura4-D18 ?	Lab collection
1407	cdc10-M17 rad3::ura4+ mcm2:GFP:kanR ura4-D18	Lab collection
1253	cdc10-M17 cdt1:cdt1-TAP:kanR ade6-M210 ura4-D18 leu1-32	Lab collection
1902	cdc10-M17 cdt1:cdt1-TAP:kanR rad3::ura4+	This work