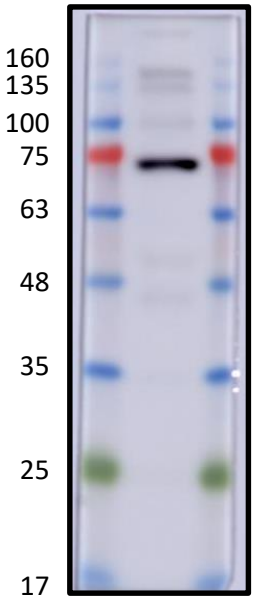
Title: Protein kinase C-delta mediates cell cycle reentry and apoptosis induced by amyloid-beta peptide in post-mitotic cortical neurons

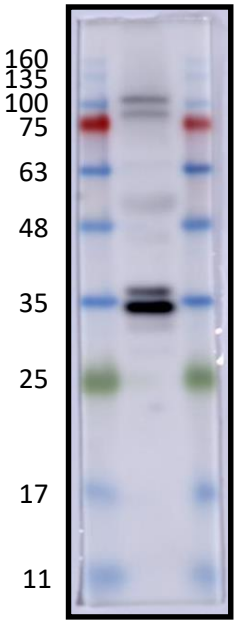
Authors: Ming-Hsuan Wu, A-Ching Chao, Yi-Heng Hsieh, You Lien, Yi-Chun Lin, and Ding-I Yang

Affiliation and E-mail: Institute of Brain Science, National Yang Ming Chiao Tung University, Taipei 112304, Taiwan; diyang@nycu.edu.tw



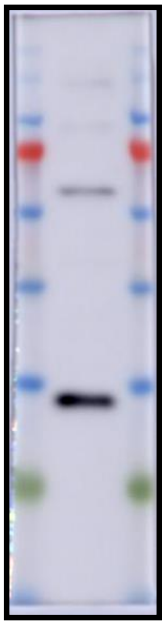
Non-specific band

PKCδ (78 kDa)



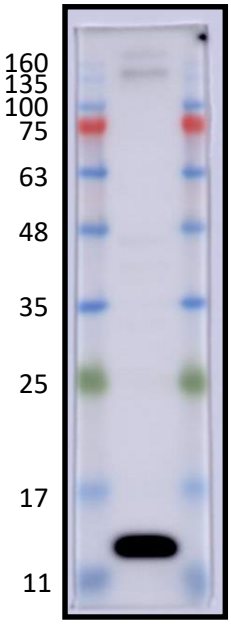
Non-specific band

cyclin D1 (34 kDa)

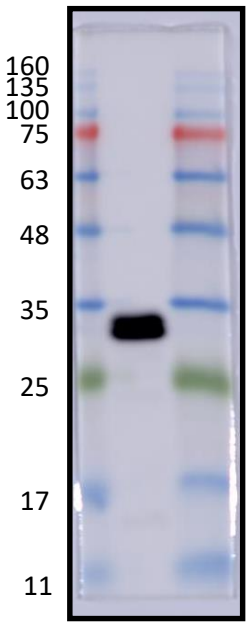


Non-specific band

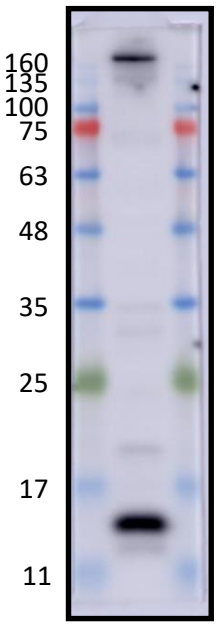
PCNA (29 kDa)



p-Histone H3 (15 kDa)

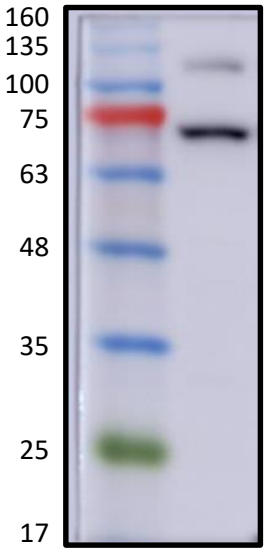


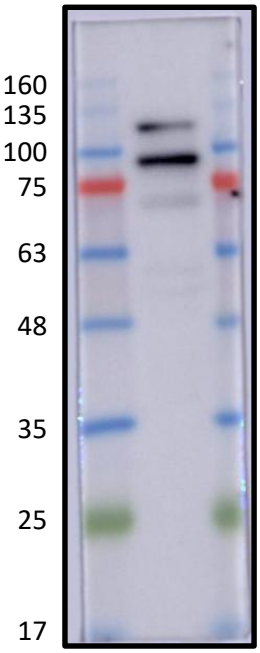
caspase 3 (35 kDa)

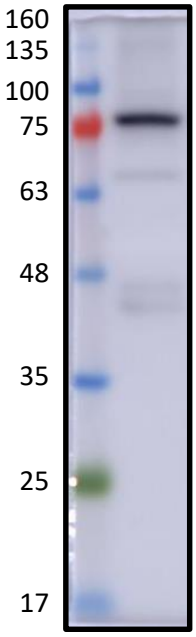


Non-specific band

Cleaved caspase 3 (17 kDa)


160
135
100
75
63
48
35
25
17
Non-specific band
Calpain 2 (80 kDa)


160
135
100
75
63
48
35
25
17
Non-specific band
Calpain 1 (80 kDa)


160
135
100
75
63
48
35
25
17
STAT3 (79 kDa)

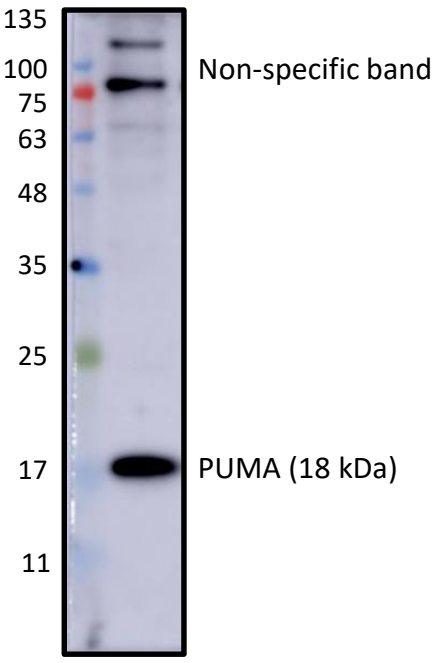
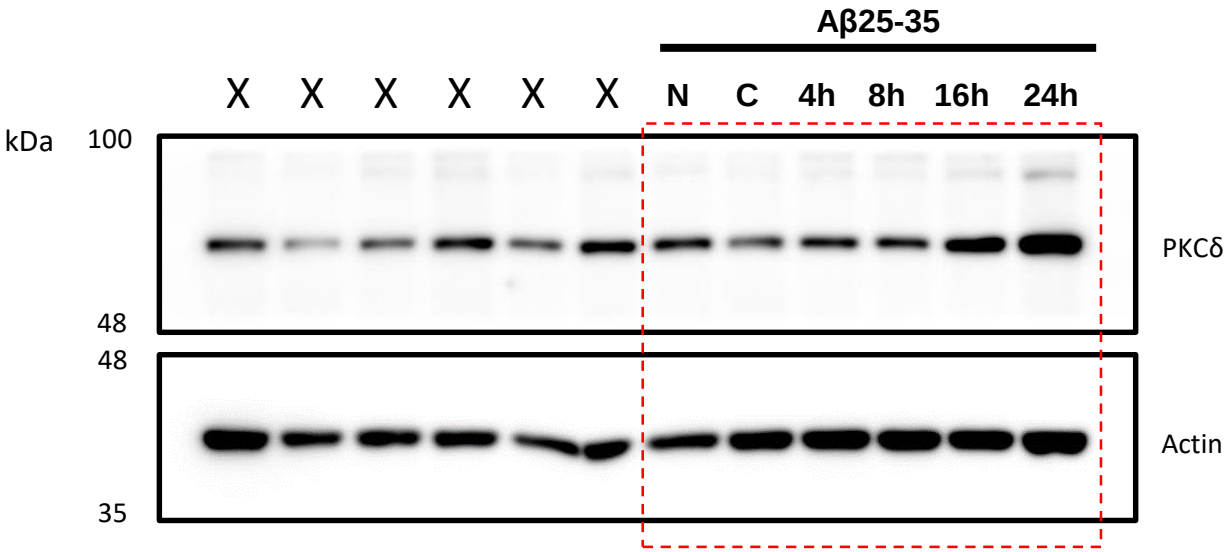
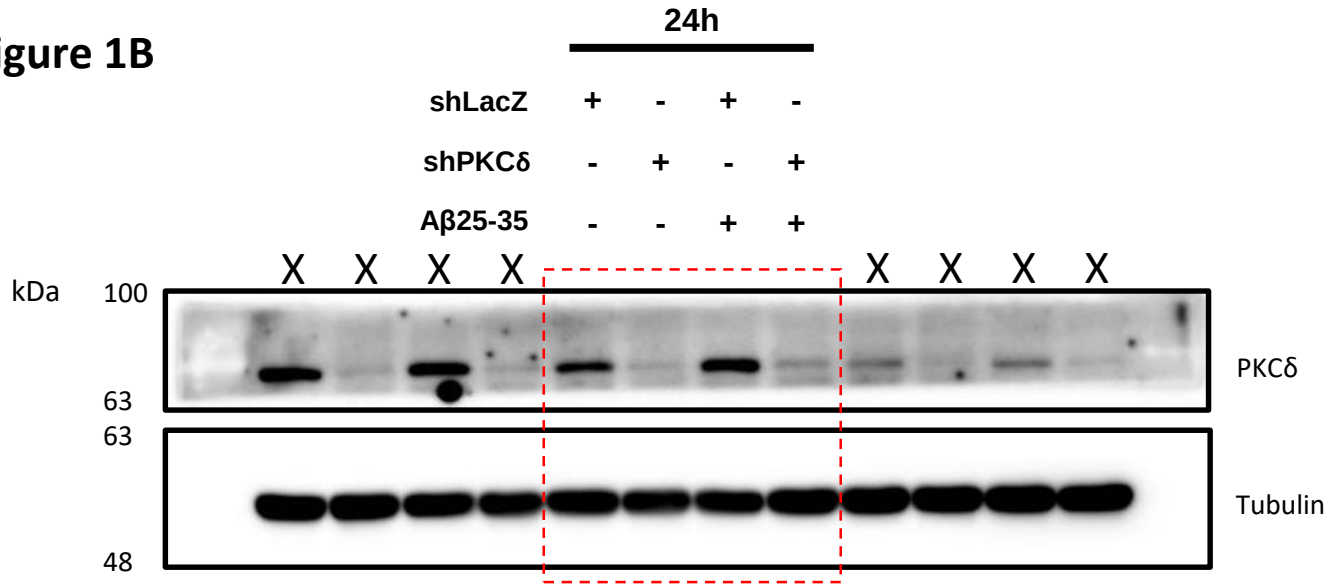

135
100
75
63
48
35
25
17
11
Non-specific band
PUMA (18 kDa)

Figure 1A



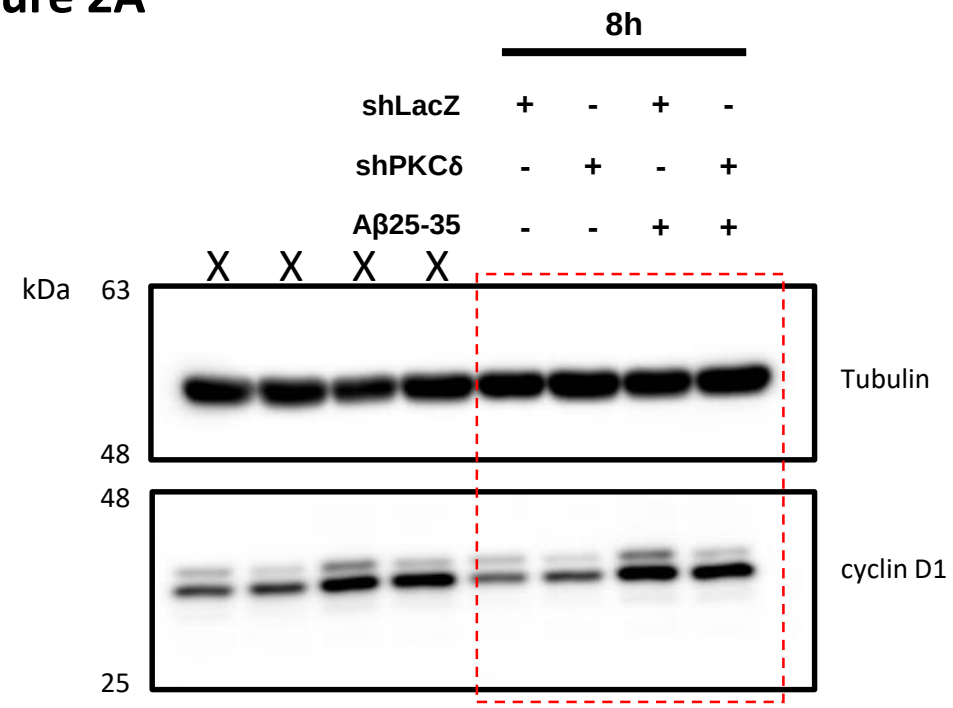
Right six lanes are shown in the figure; left six lanes are for other experiments.

Figure 1B



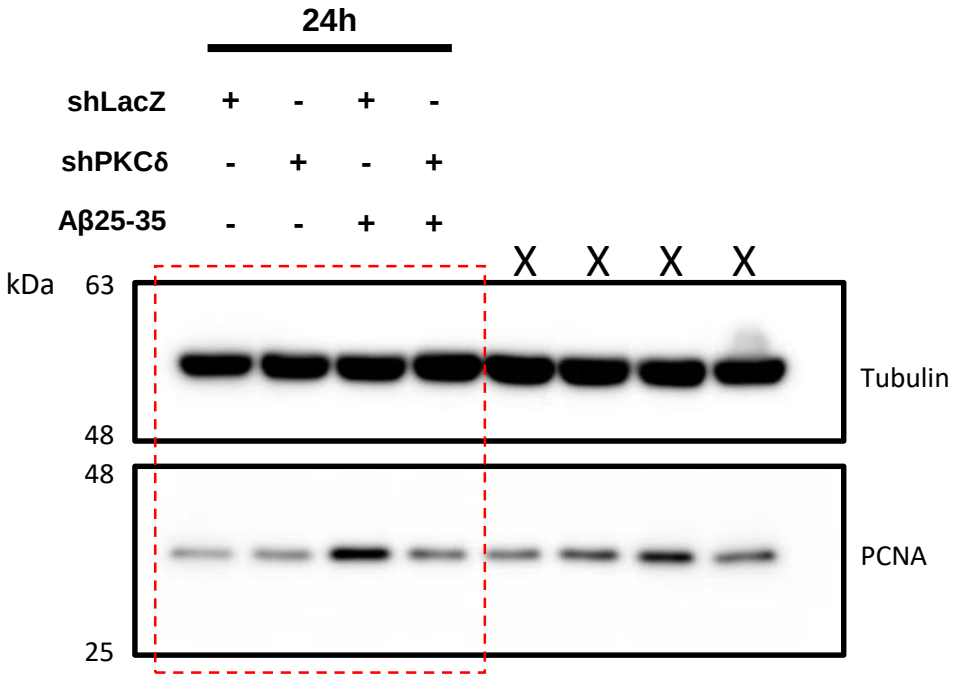
Middle four lanes are shown in the figure; left and right four lanes are for other experiments.

Figure 2A



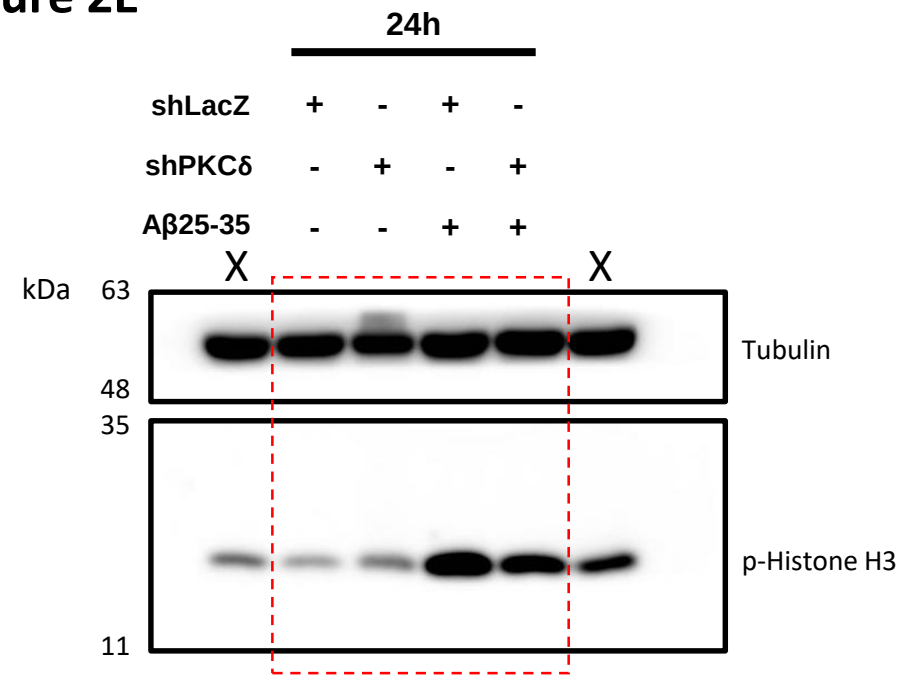
Right four lanes are shown in the figure; left four lanes are for other experiments.

Figure 2D



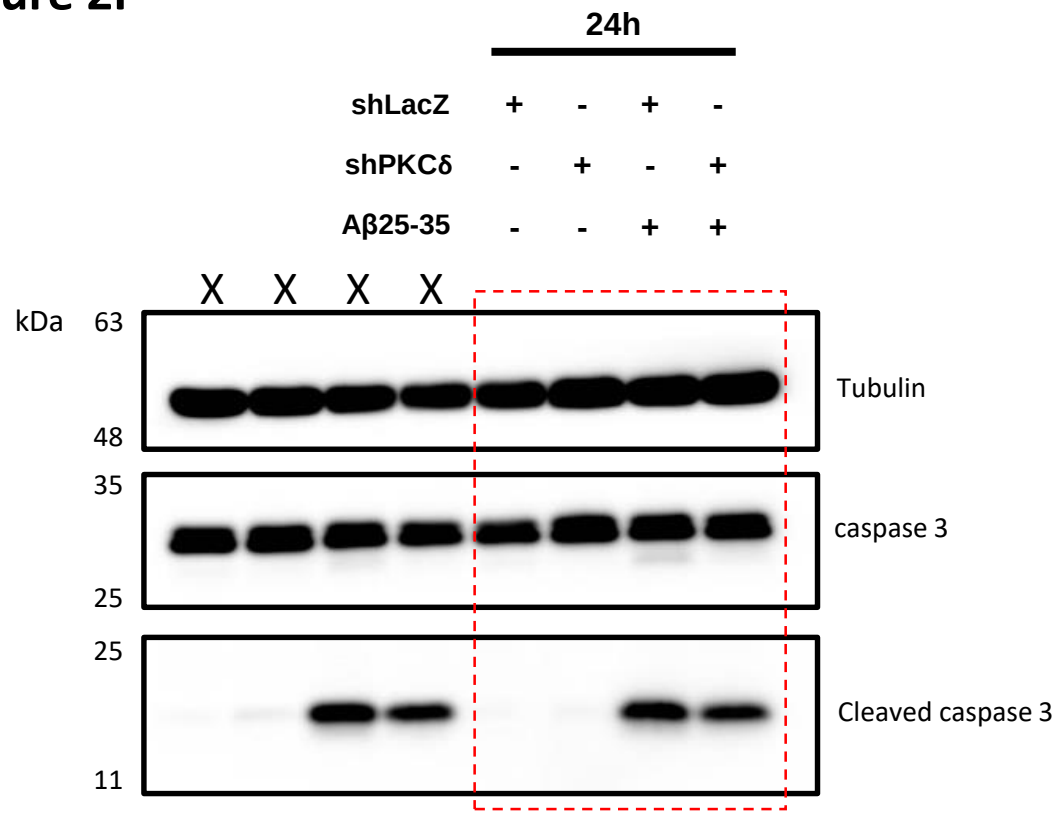
Left four lanes are shown in the figure; right four lanes are for other experiments.

Figure 2E



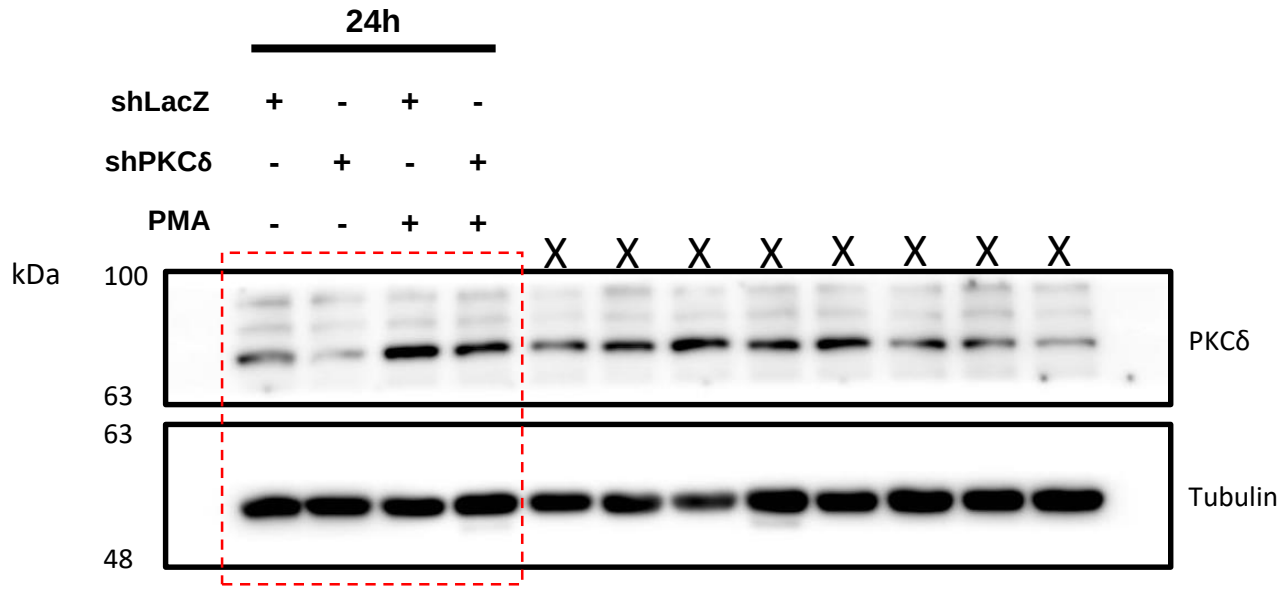
Middle four lanes are shown in the figure; left and right lanes are for other experiments.

Figure 2F



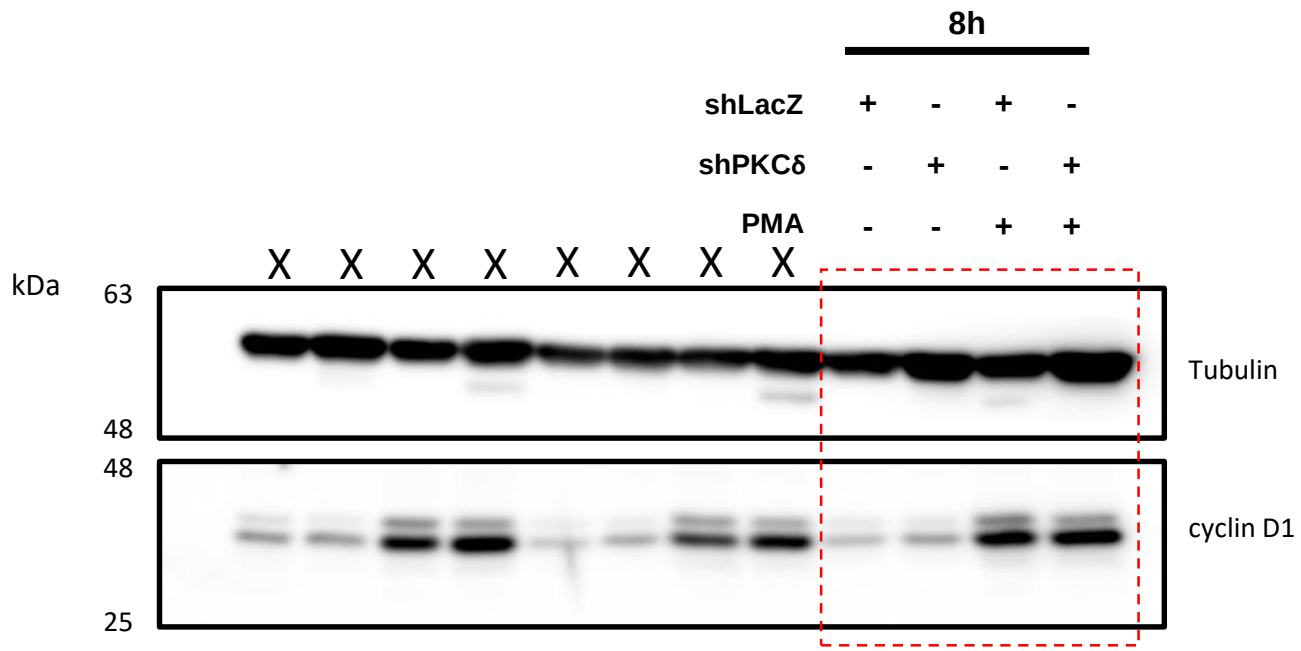
Right four lanes are shown in the figure; left four lanes are for other experiments.

Figure 3A



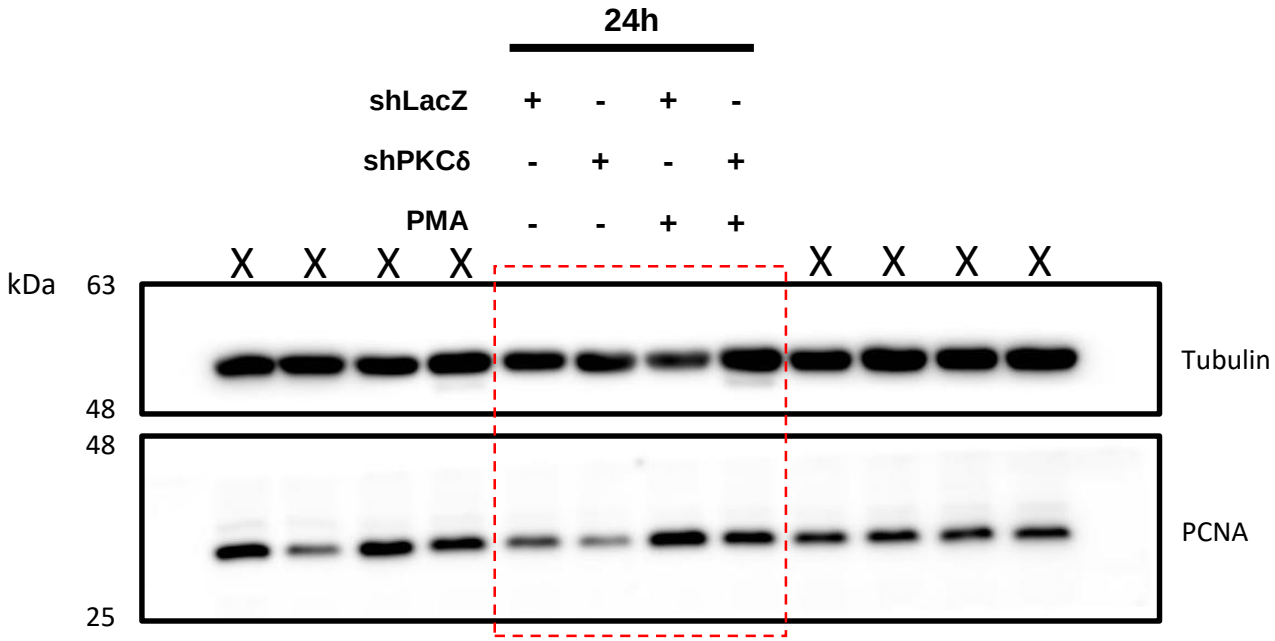
Left four lanes are shown in the figure; right eight lanes are for other experiments.

Figure 3B



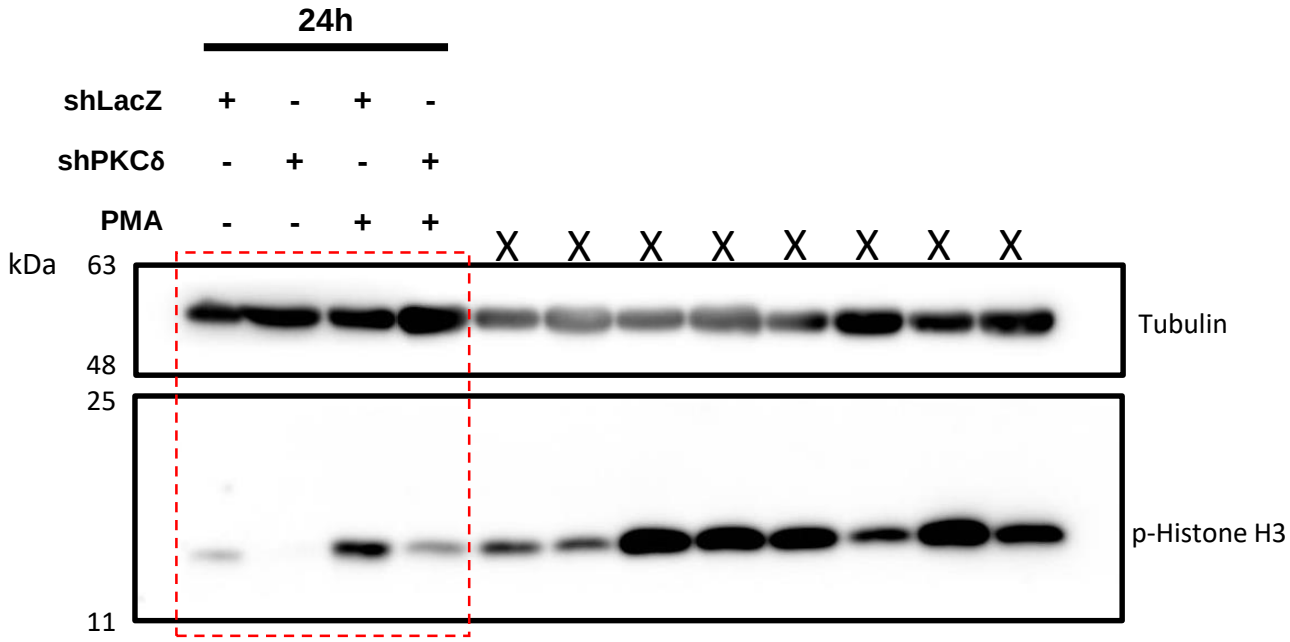
Right four lanes are shown in the figure; left eight lanes are for other experiments.

Figure 3C



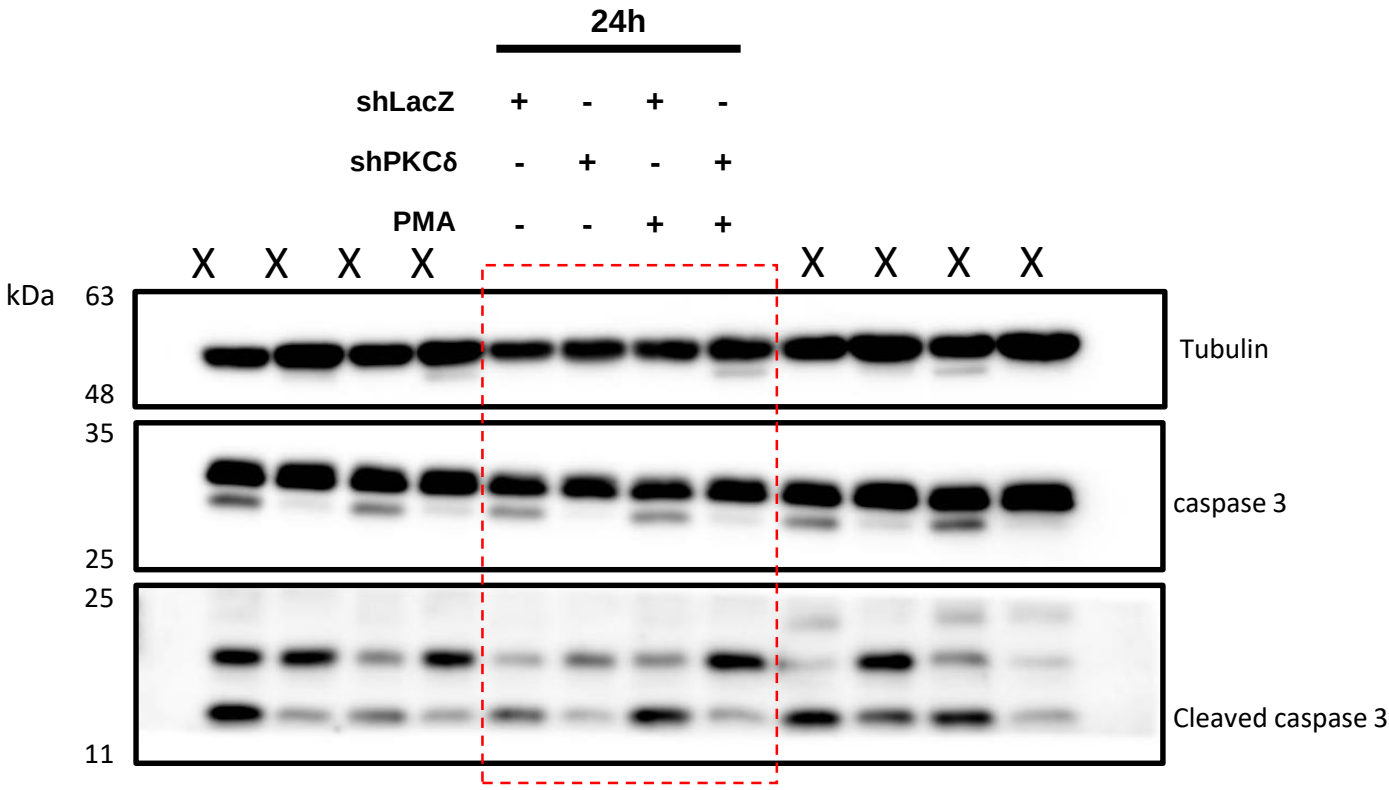
Middle four lanes are shown in the figure; left and right four lanes are for other experiments.

Figure 3D



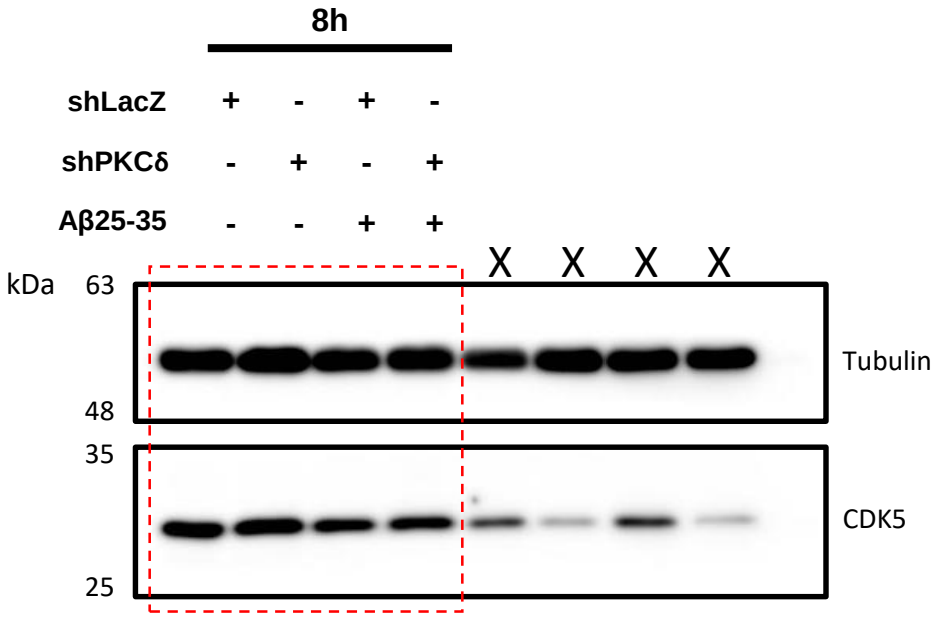
Left four lanes are shown in the figure; right eight lanes are for other experiments.

Figure 3E



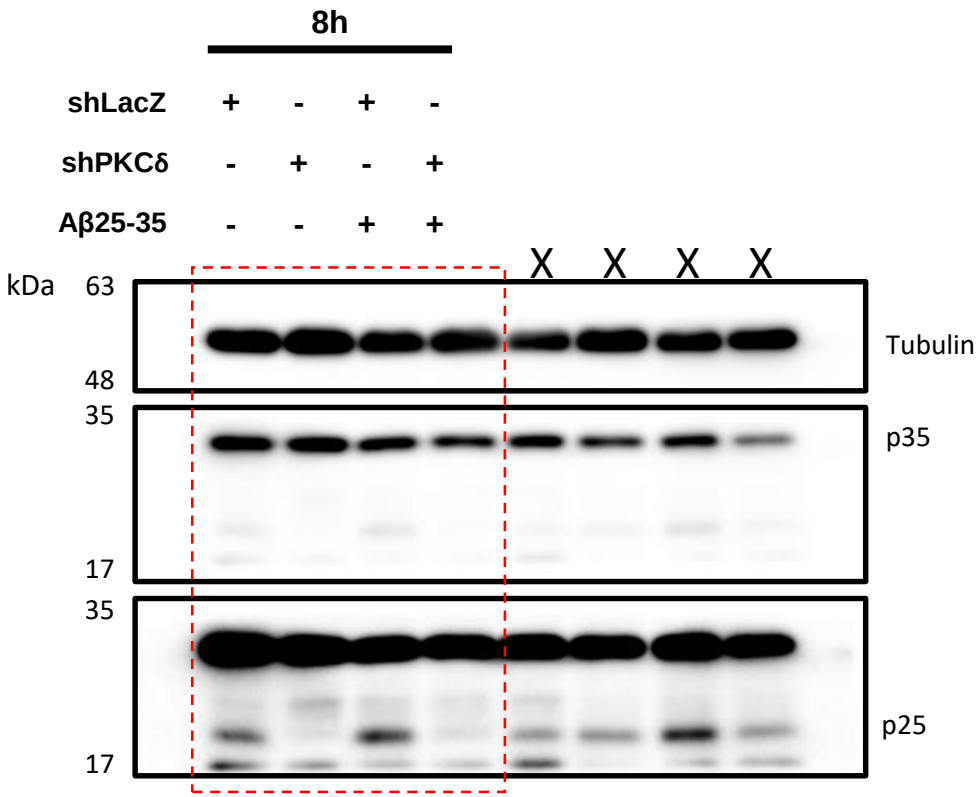
Middle four lanes are shown in the figure; left and right four lanes are for other experiments.

Figure 4A



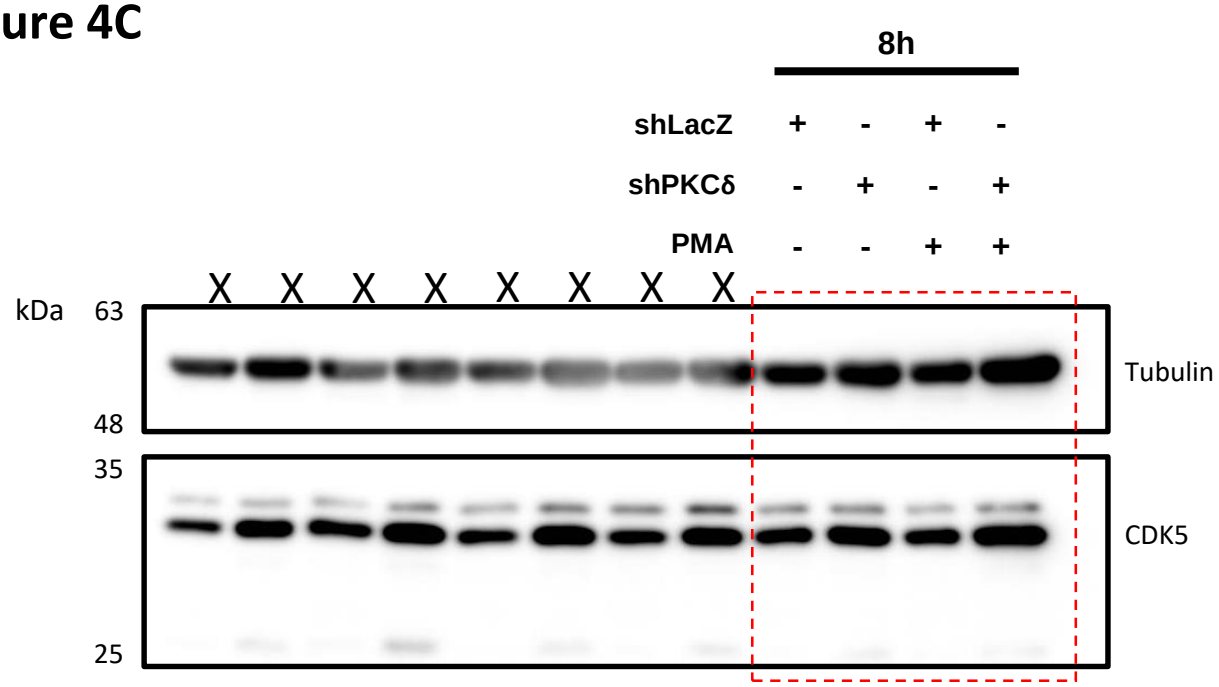
Left four lanes are shown in the figure; right four lanes are for other experiments.

Figure 4B



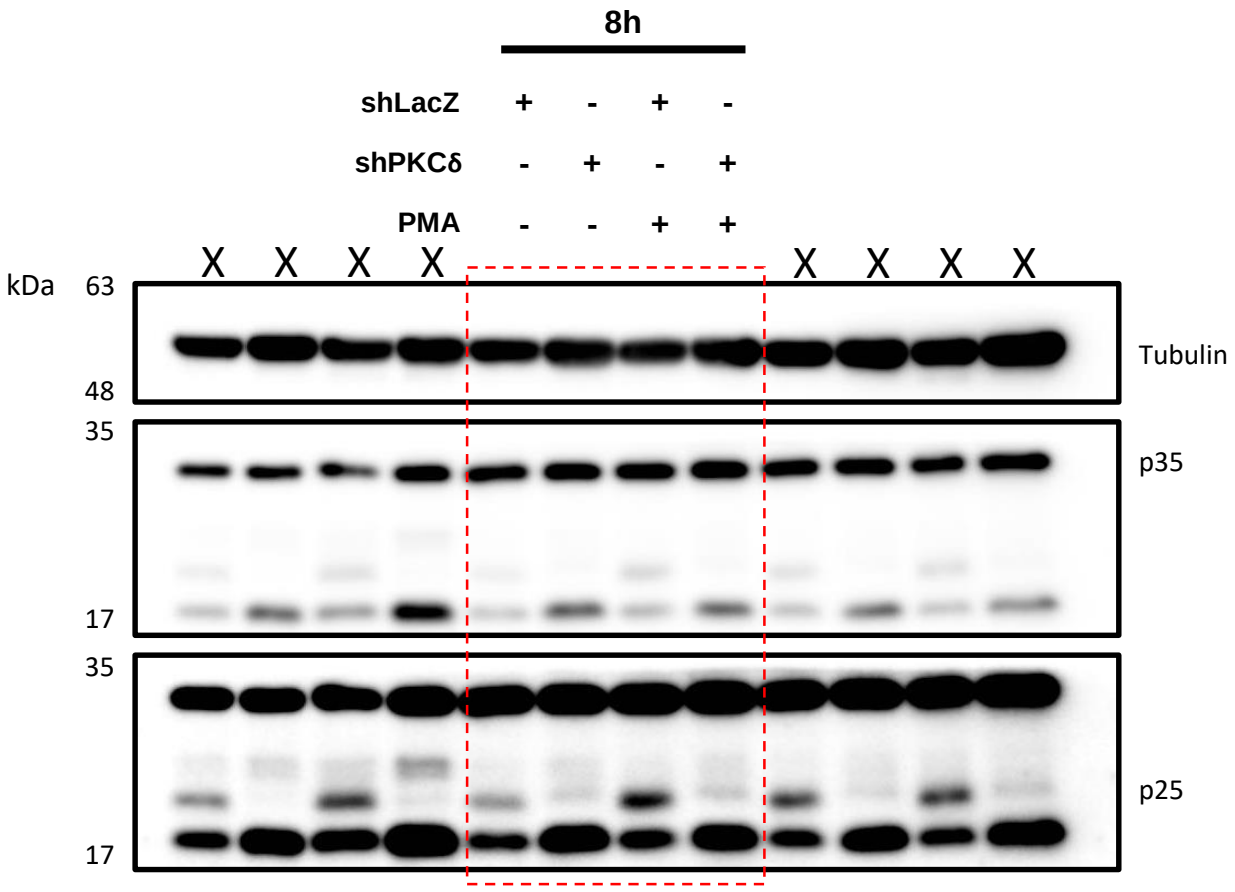
Left four lanes are shown in the figure; right four lanes are for other experiments.
Note that results of p35 and p25 are same membrane except having different exposure time.

Figure 4C



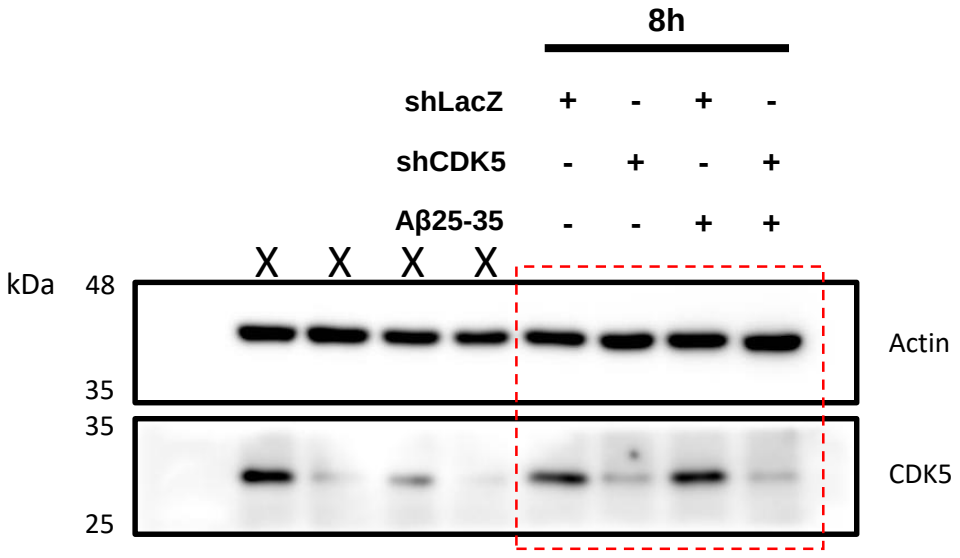
Right four lanes are shown in the figure; left eight lanes are for other experiments.

Figure 4D



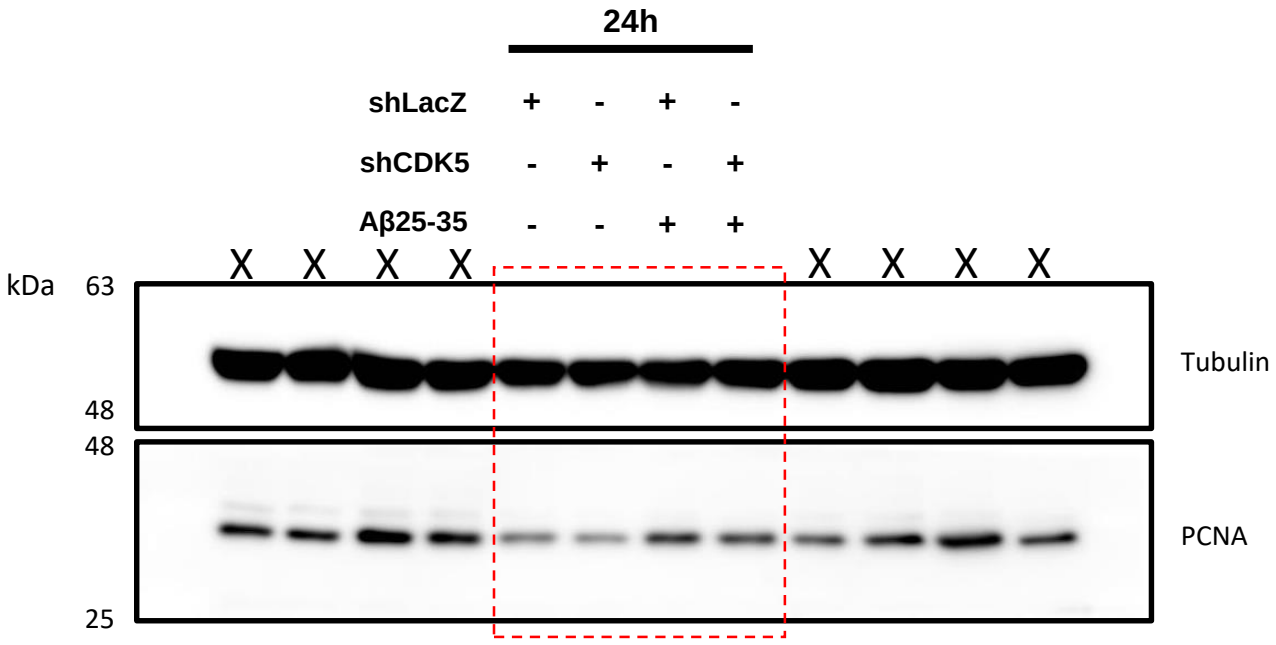
Middle four lanes are shown in the figure; left and right four lanes are for other experiments.

Figure 4E



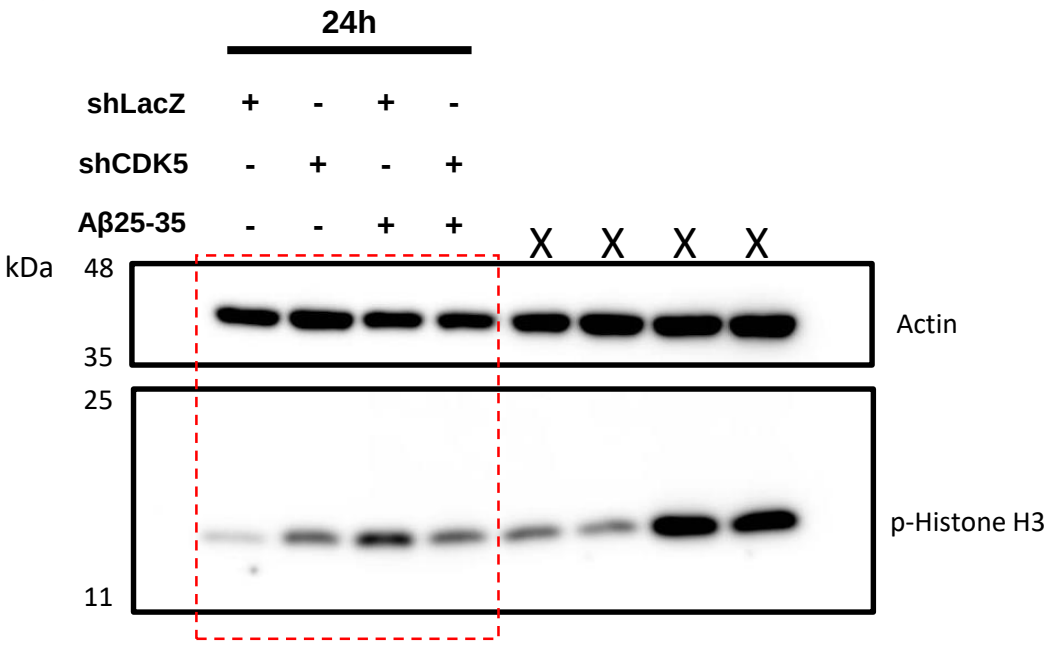
Right four lanes are shown in the figure; left four lanes are for other experiments.

Figure 4F



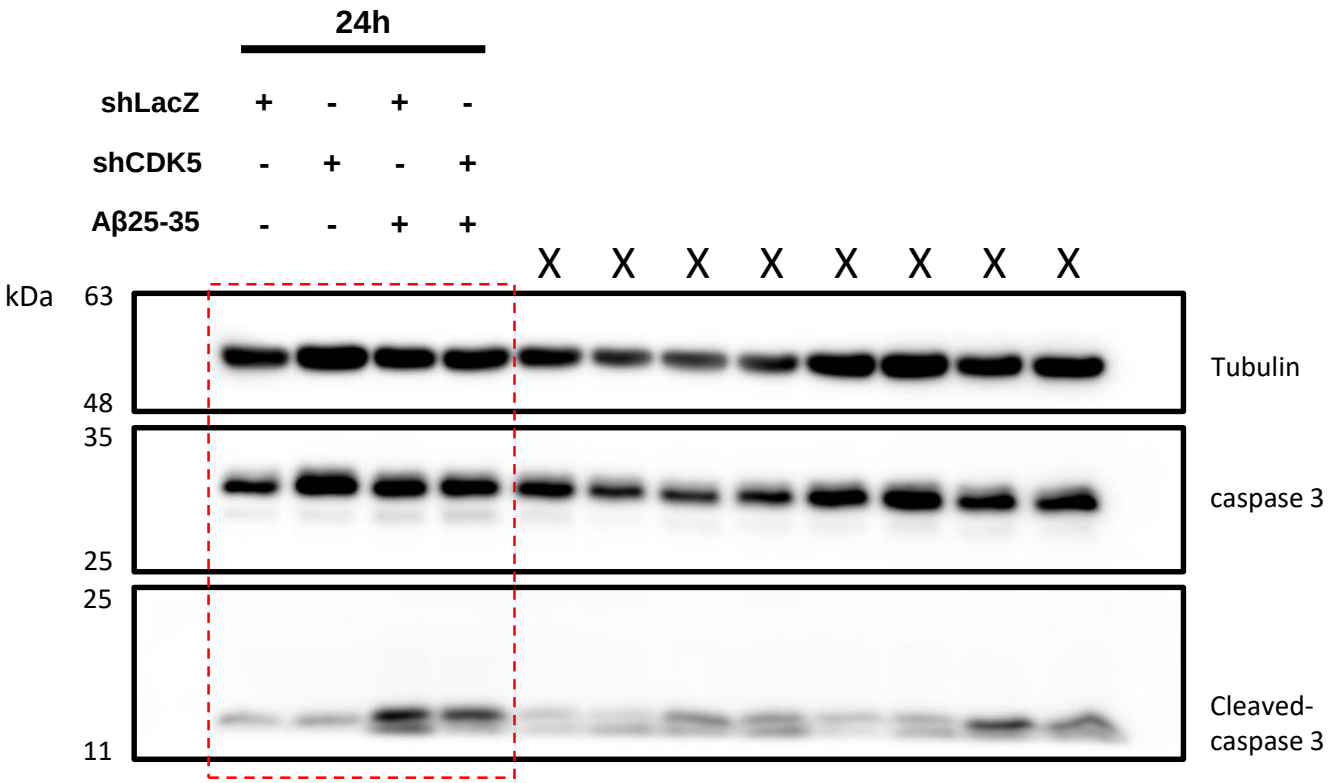
Middle four lanes are shown in the figure; left and right four lanes are for other experiments.

Figure 4G



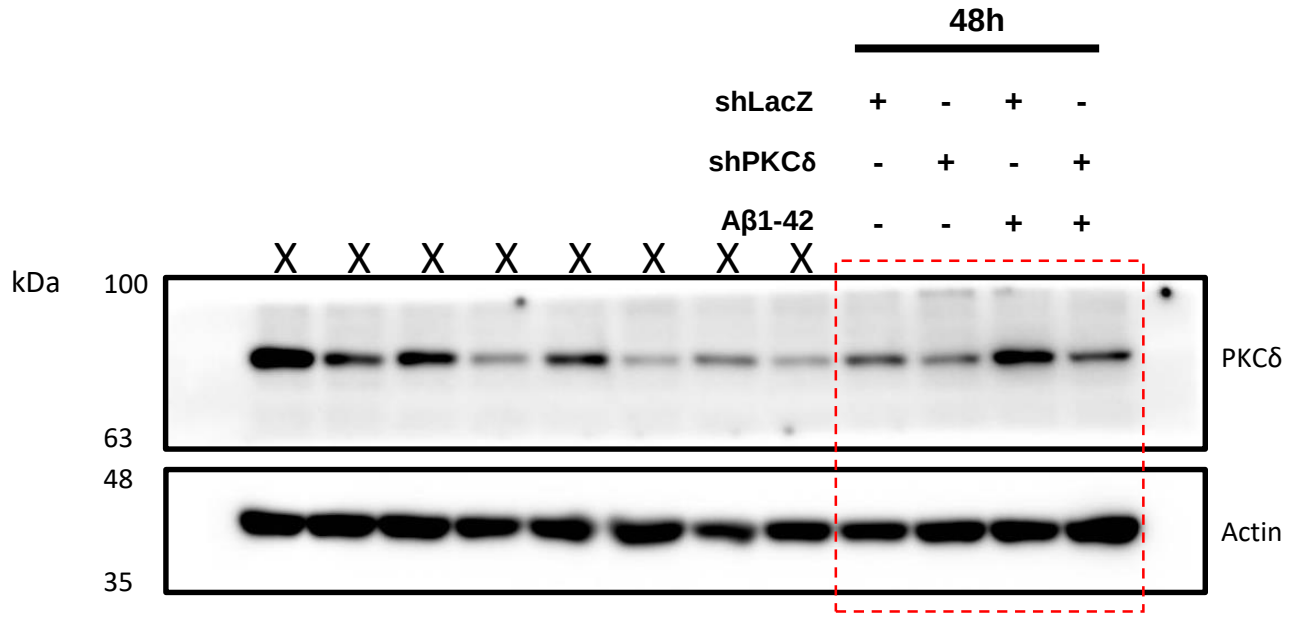
Left four lanes are shown in the figure; right four lanes are for other experiments.

Figure 4H



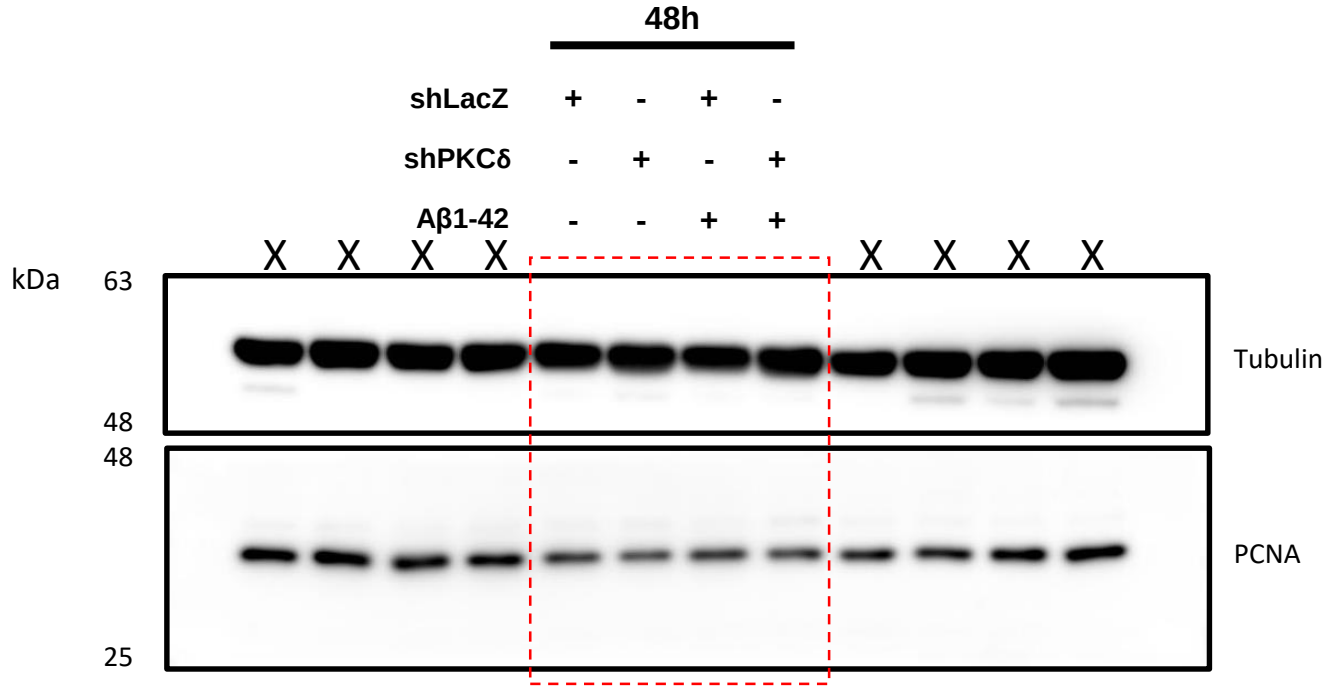
Left four lanes are shown in the figure; right eight lanes are for other experiments.

Figure 5A



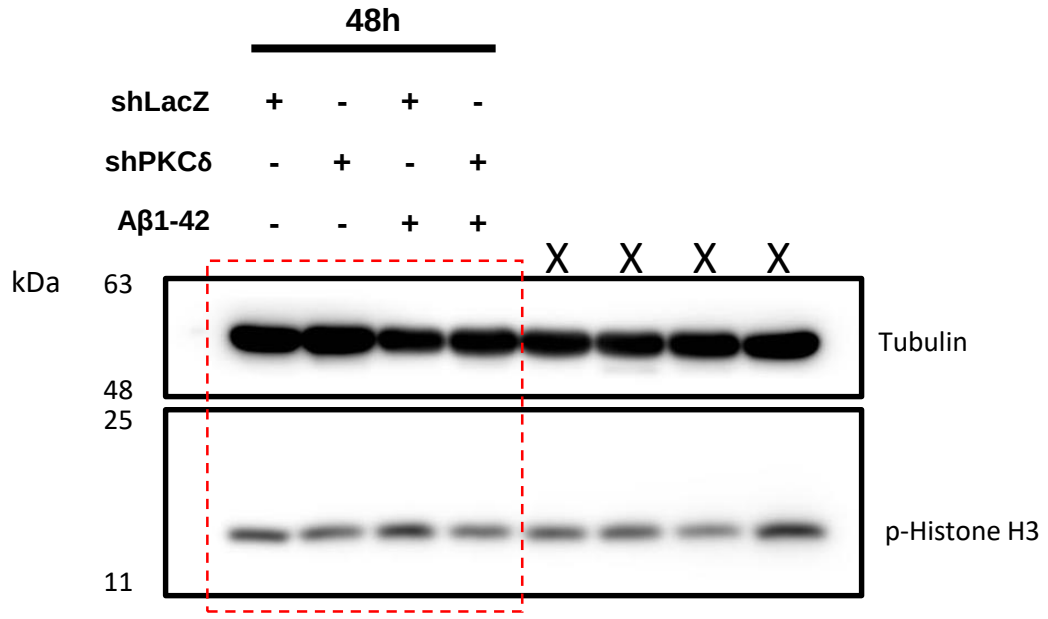
Right four lanes are shown in the figure; left eight lanes are for other experiments.

Figure 5B



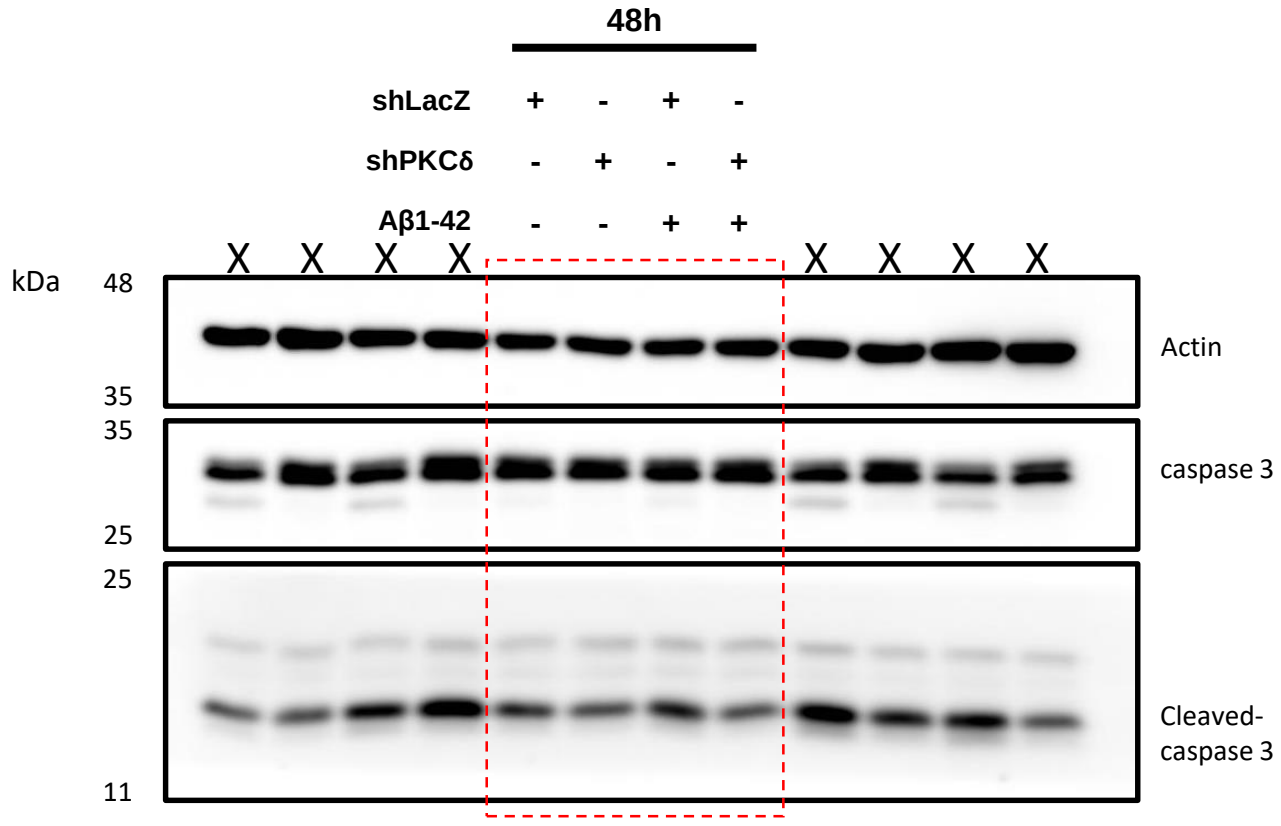
Middle four lanes are shown in the figure; left and right four lanes are for other experiments.

Figure 5C



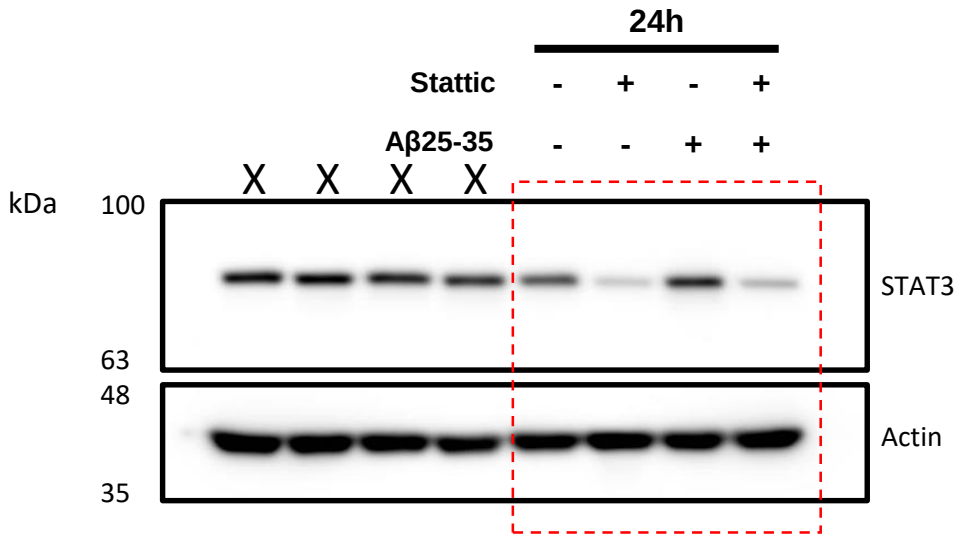
Left four lanes are shown in the figure; right four lanes are for other experiments.

Figure 5D



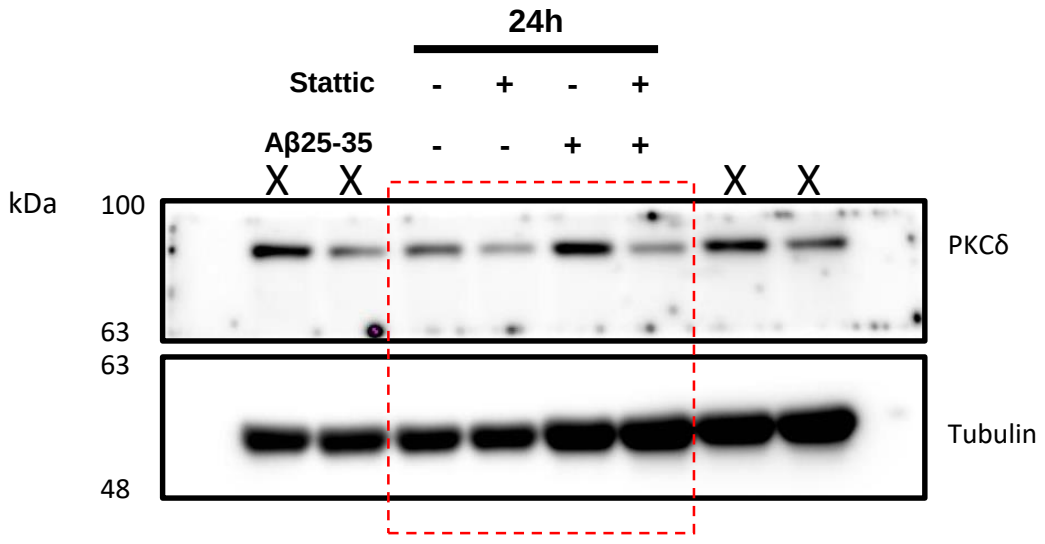
Middle four lanes are shown in the figure; left and right four lanes are for other experiments.

Figure 6A



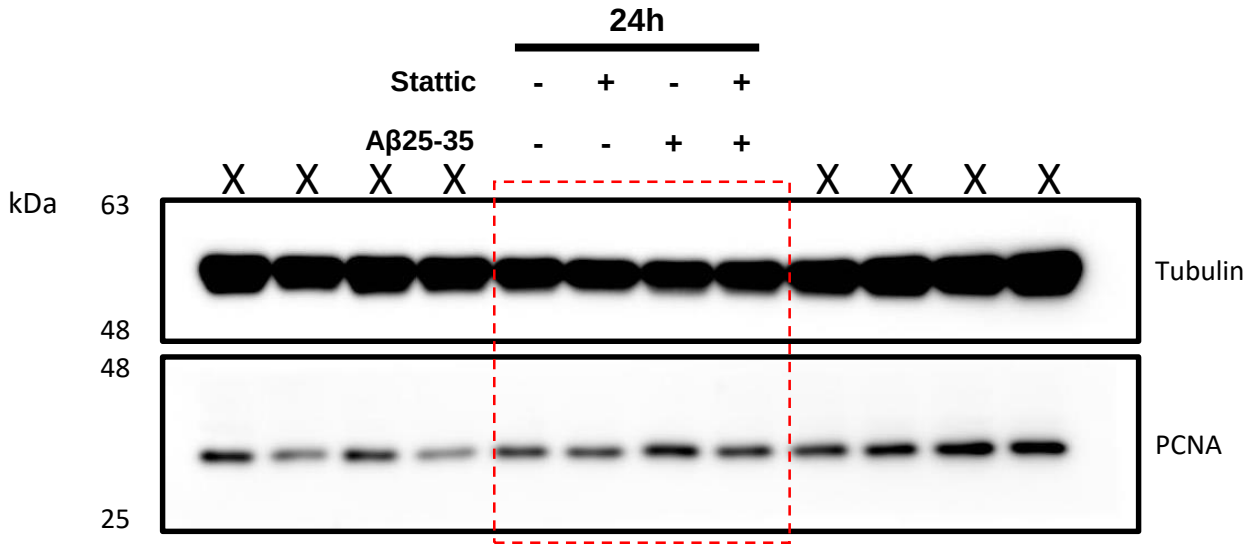
Right four lanes are shown in the figure; left four lanes are for other experiments.

Figure 6B



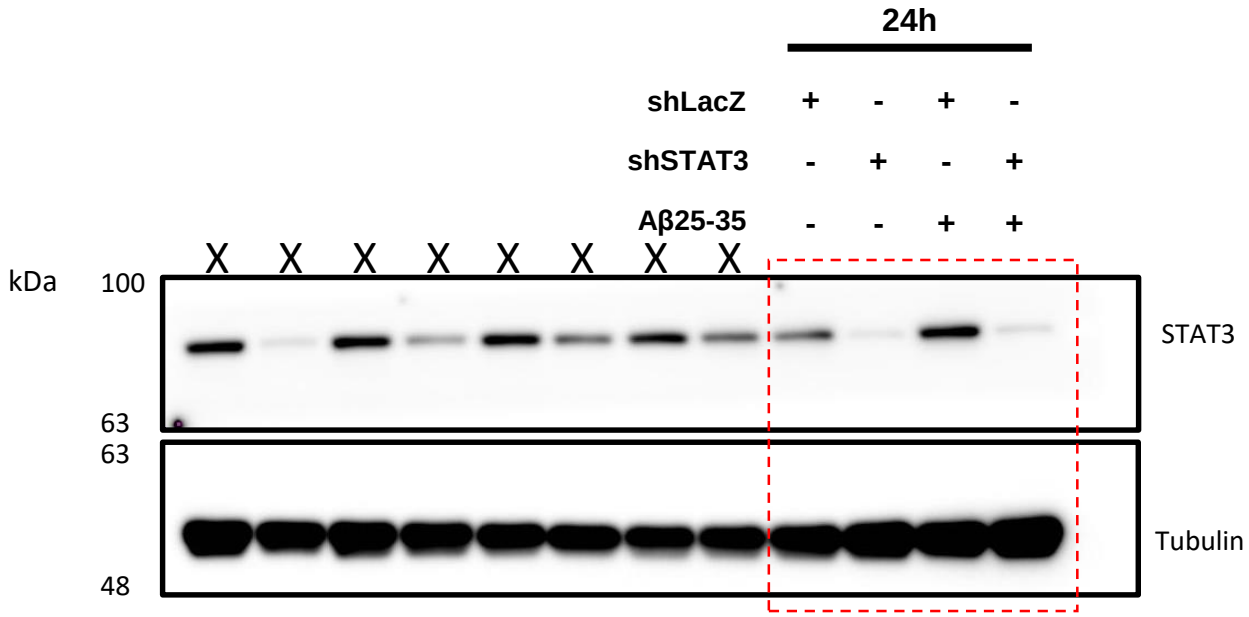
Middle four lanes are shown in the figure; left and right two lanes are for other experiments.

Figure 6C



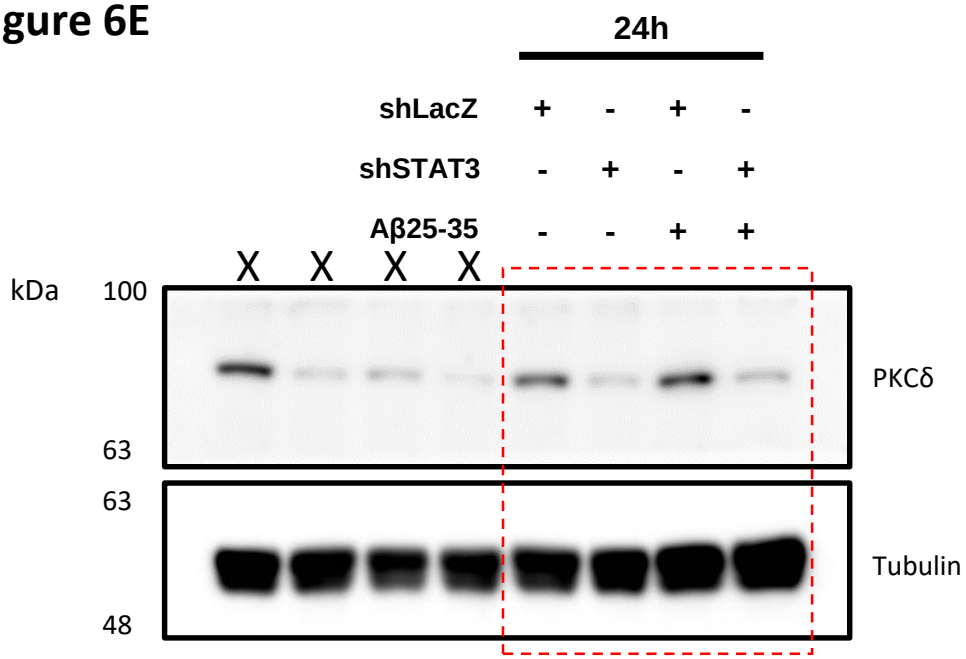
Middle four lanes are shown in the figure; left and right four lanes are for other experiments.

Figure 6D



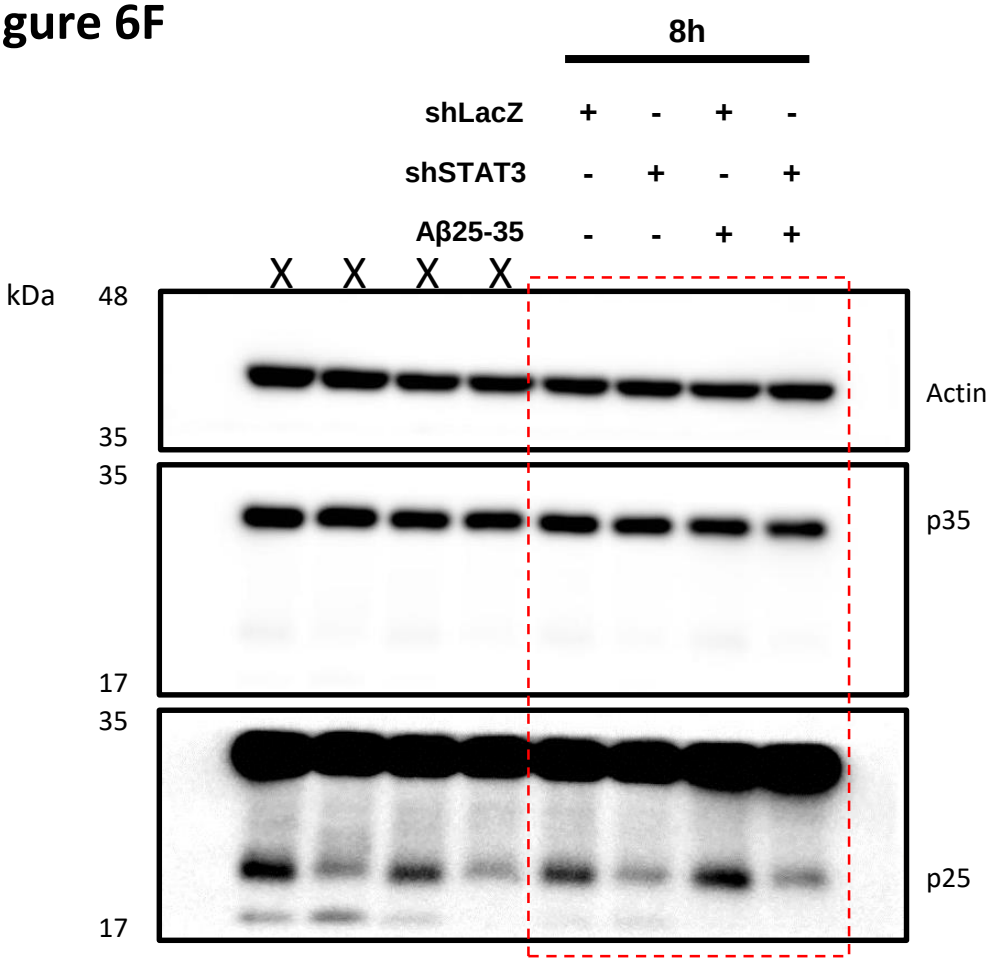
Right four lanes are shown in the figure; left eight lanes are for other experiments.

Figure 6E



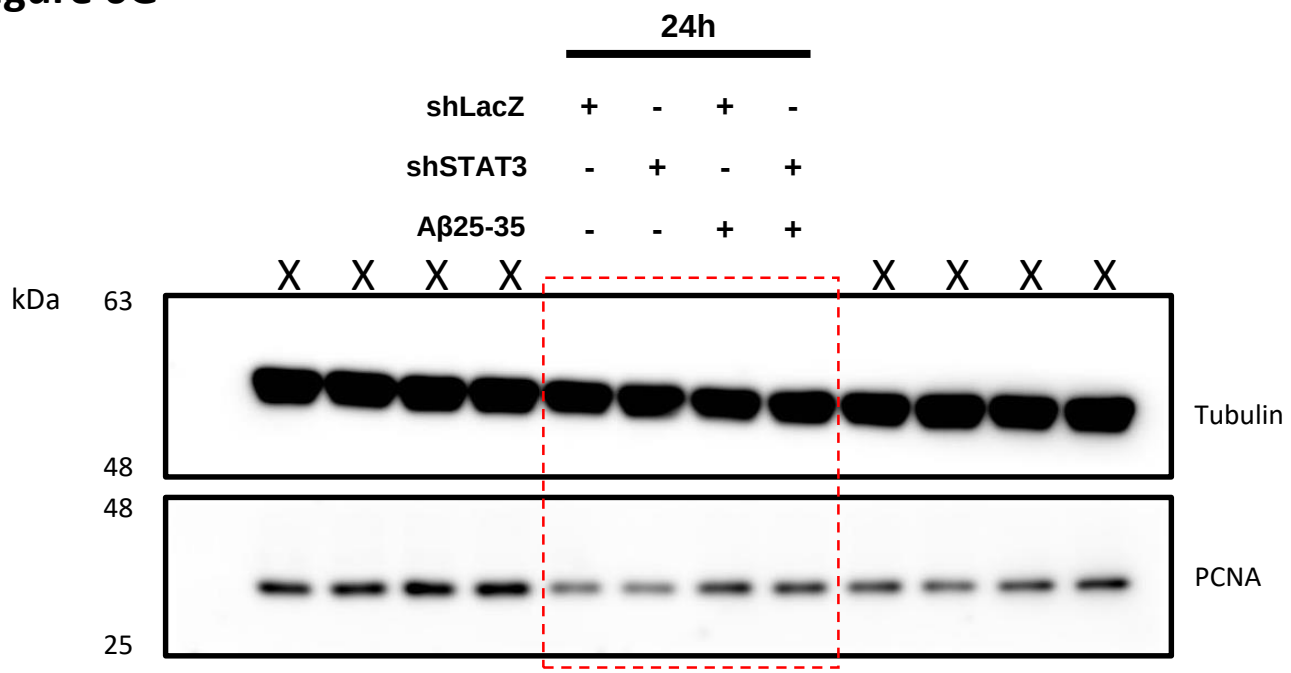
Right four lanes are shown in the figure; left four lanes are for other experiments.

Figure 6F



Right four lanes are shown in the figure; left four lanes are for other experiments.

Figure 6G



Middle four lanes are shown in the figure; left and right four lanes are for other experiments.

Figure 6H

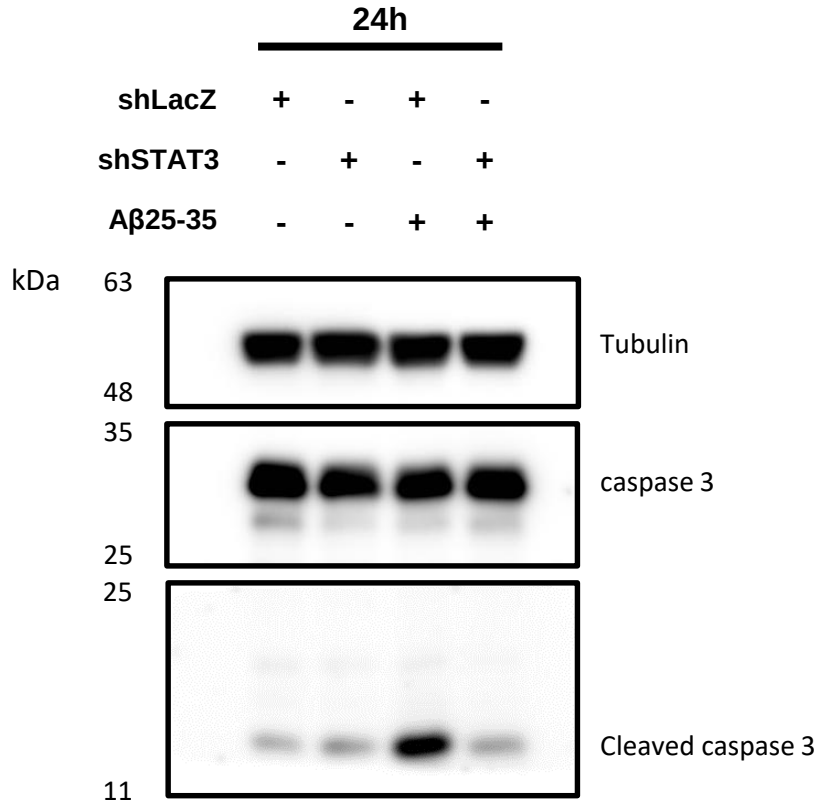
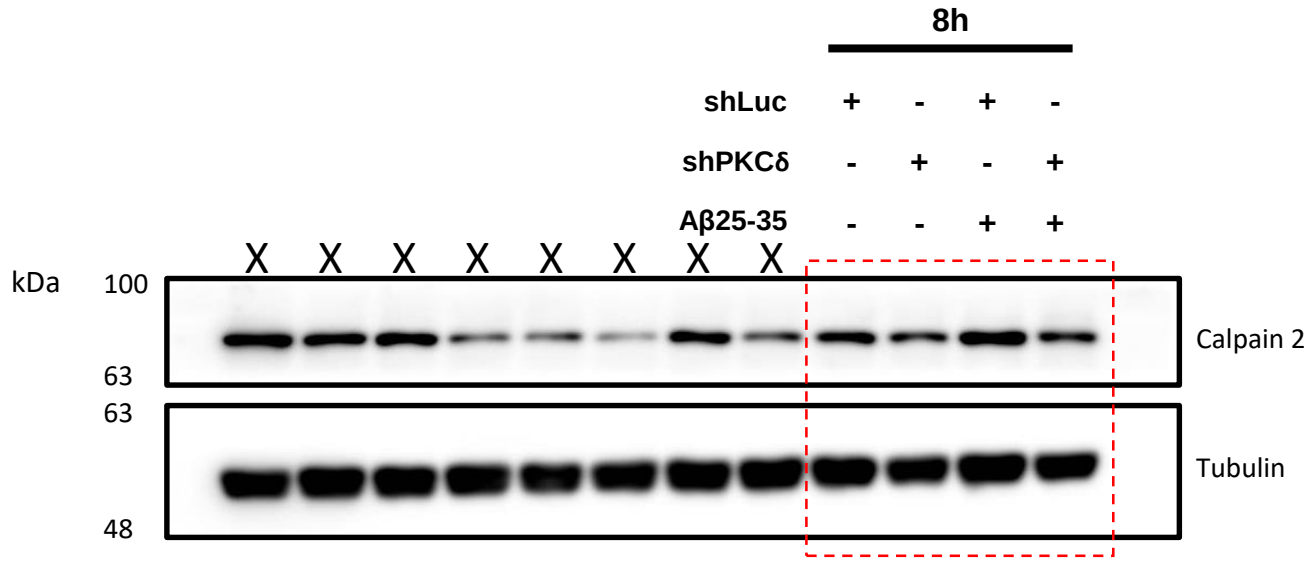


Figure 7A



Right four lanes are shown in the figure; left eight lanes are for other experiments.

Figure 7B

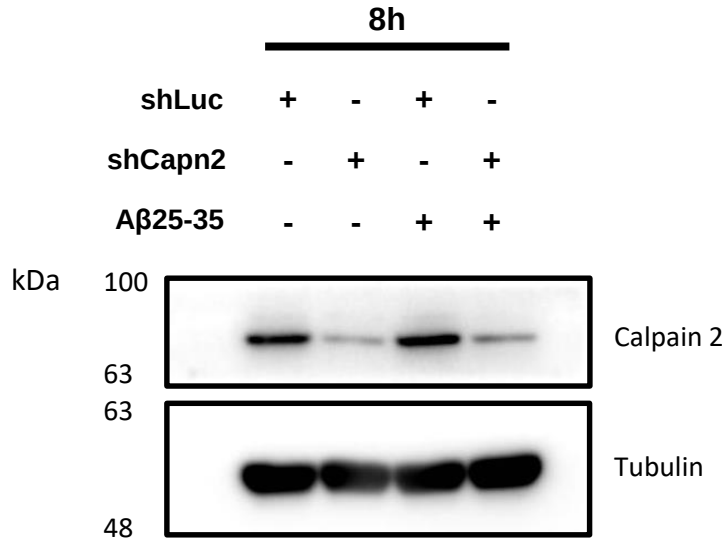


Figure 7C

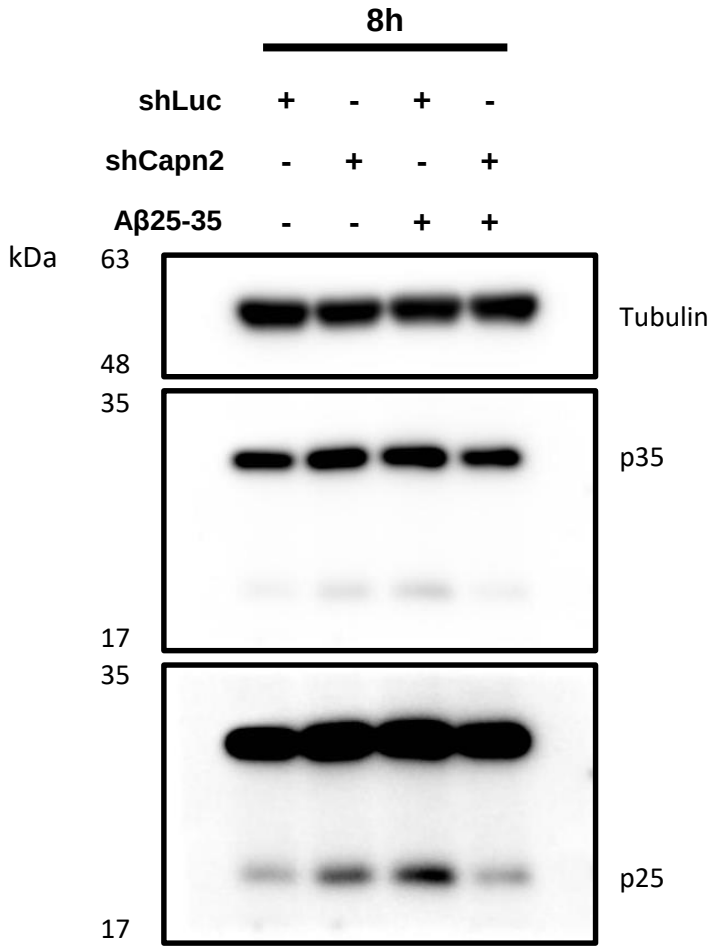
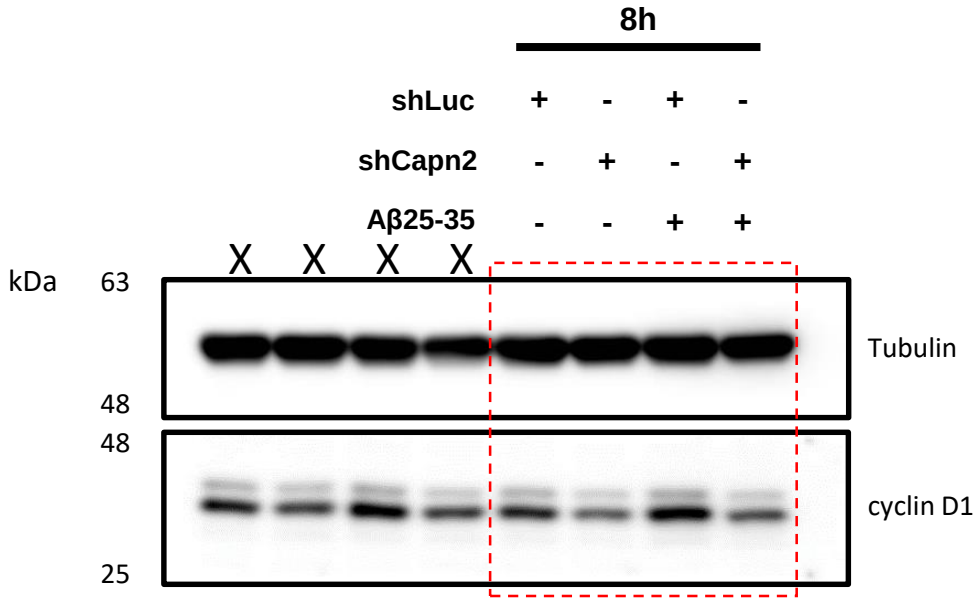
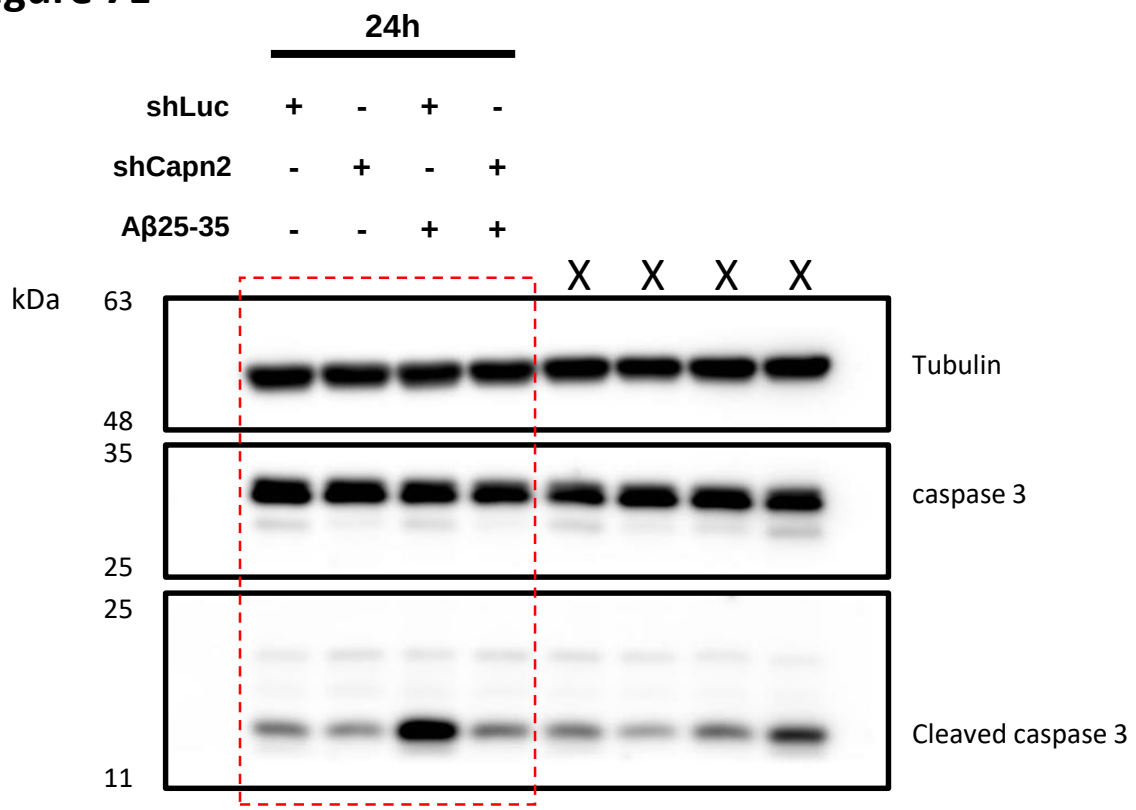


Figure 7D



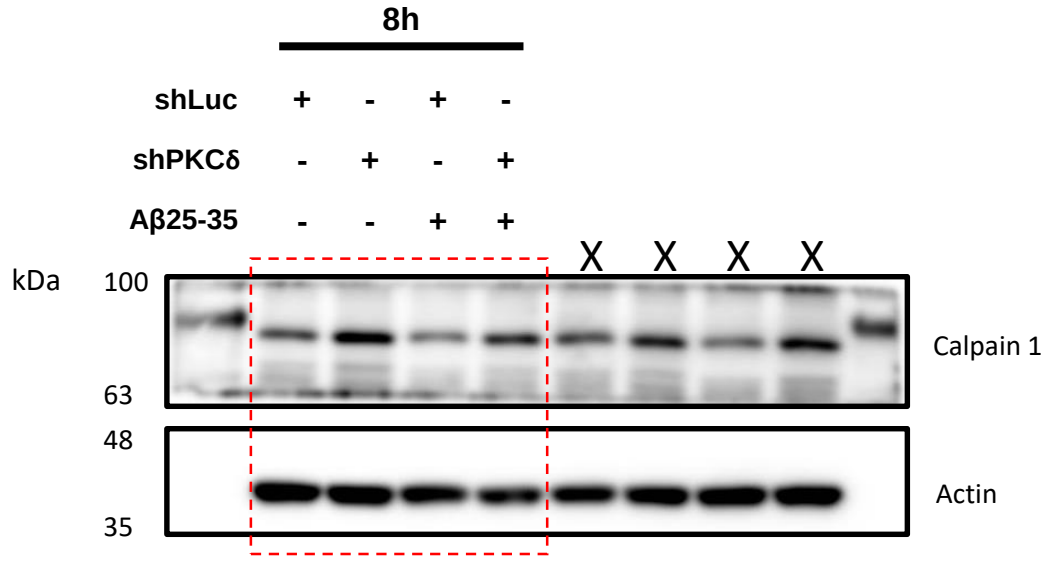
Right four lanes are shown in the figure; left four lanes are for other experiments.

Figure 7E



Left four lanes are shown in the figure; right four lanes are for other experiments.

Figure 7F



Left four lanes are shown in the figure; right four lanes are for other experiments.

Figure 7G

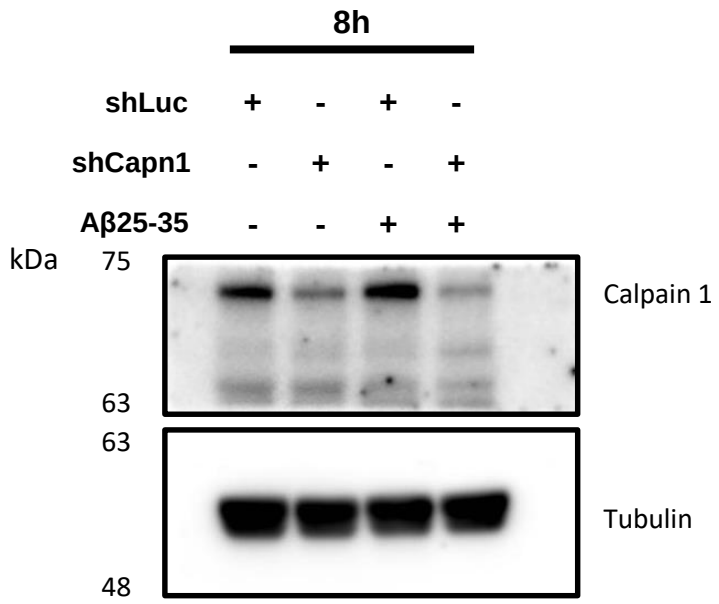
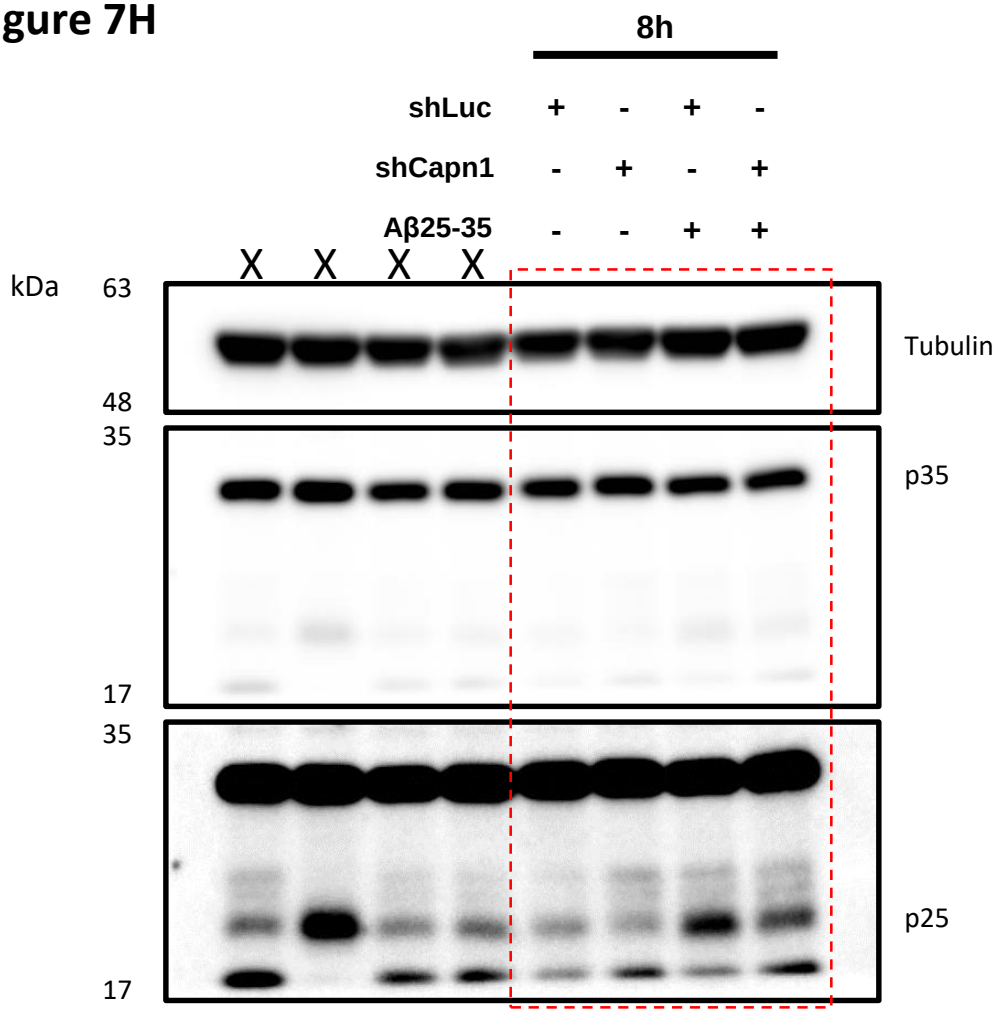
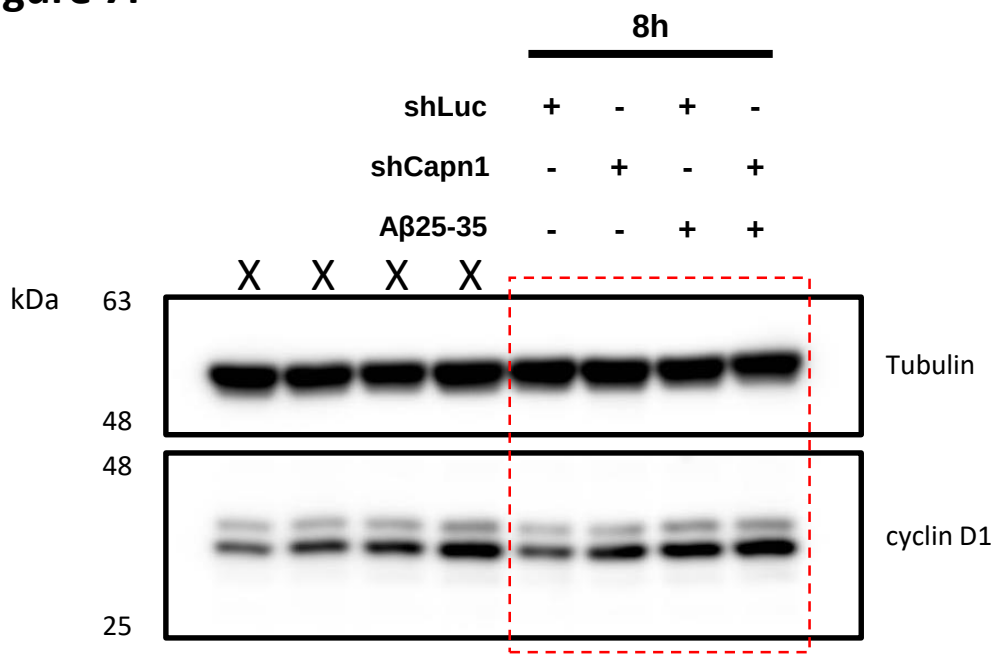


Figure 7H



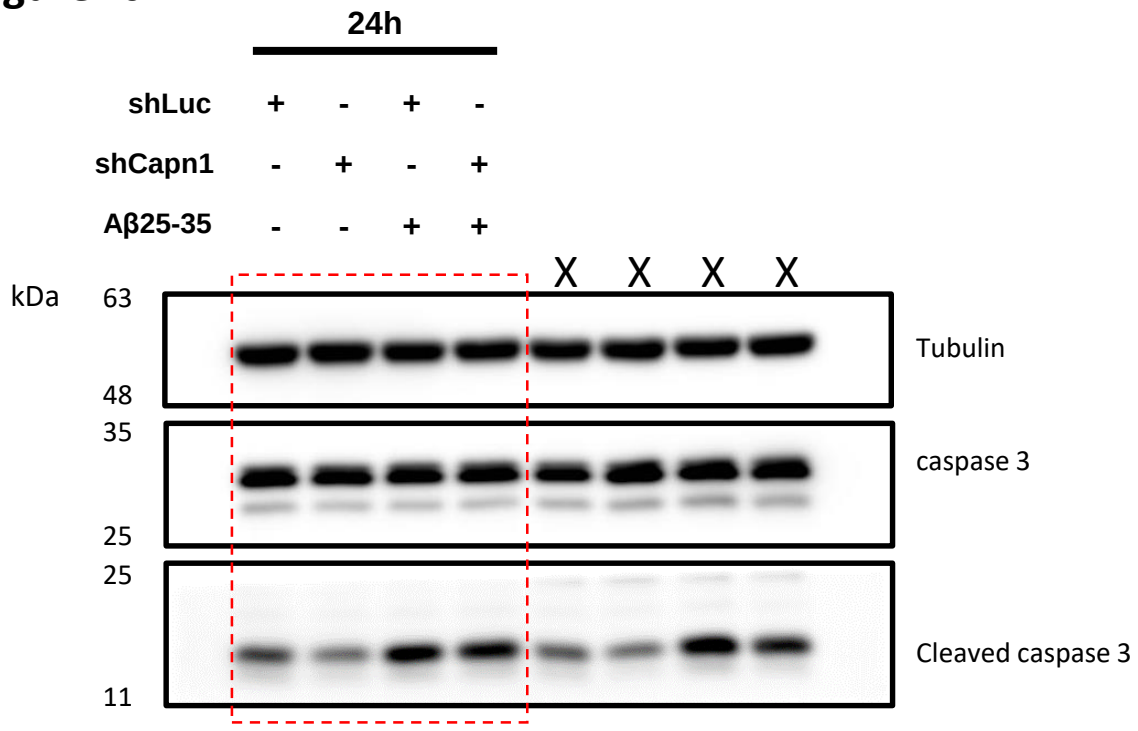
Right four lanes are shown in the figure; left four lanes are for other experiments.

Figure 7I



Right four lanes are shown in the figure; left four lanes are for other experiments.

Figure 7J



Left four lanes are shown in the figure; right four lanes are for other experiments.

Figure 8A

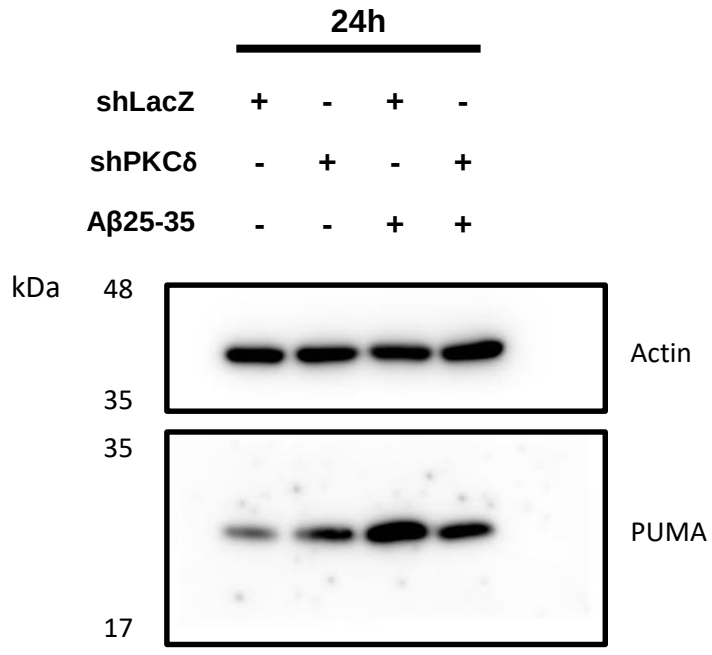


Figure 8B

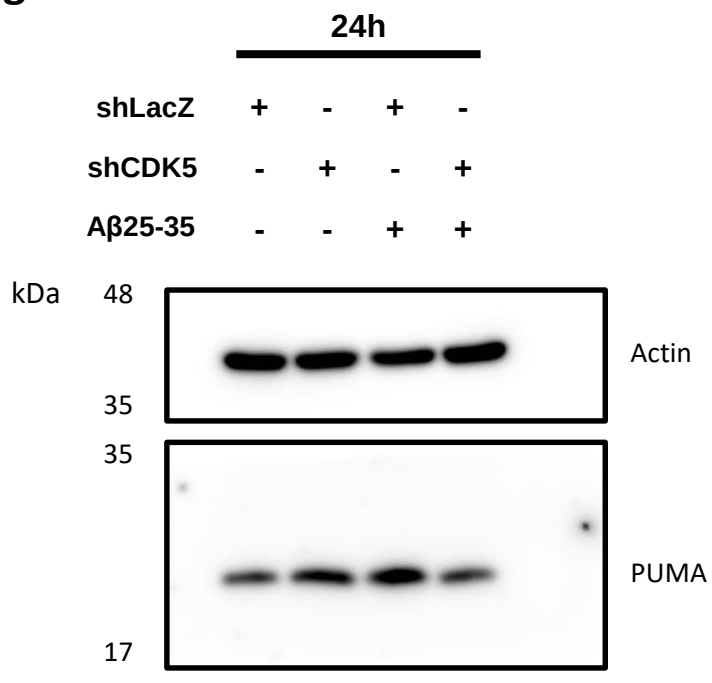


Figure S1

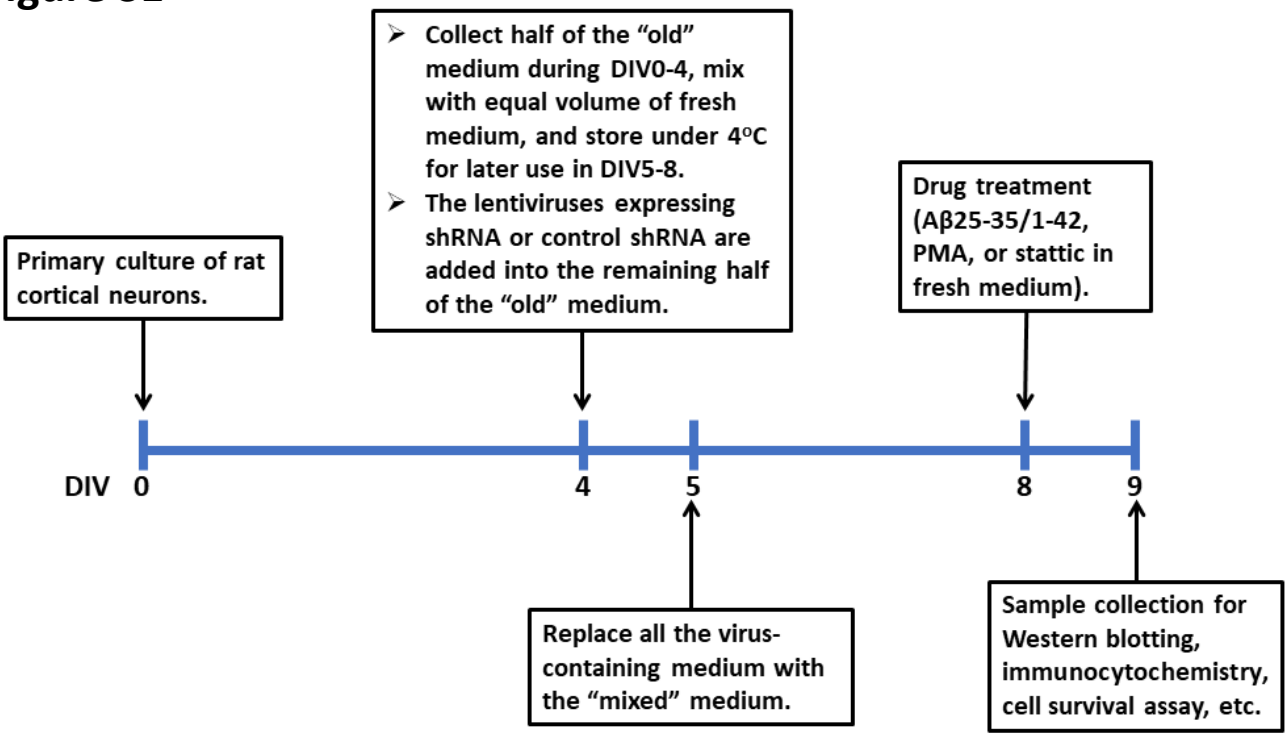


Figure S1: A workflow for lentivirus-mediated transfection of shRNA for gene-specific knockdown in primary culture of rat cortical neurons.