Fig. 1

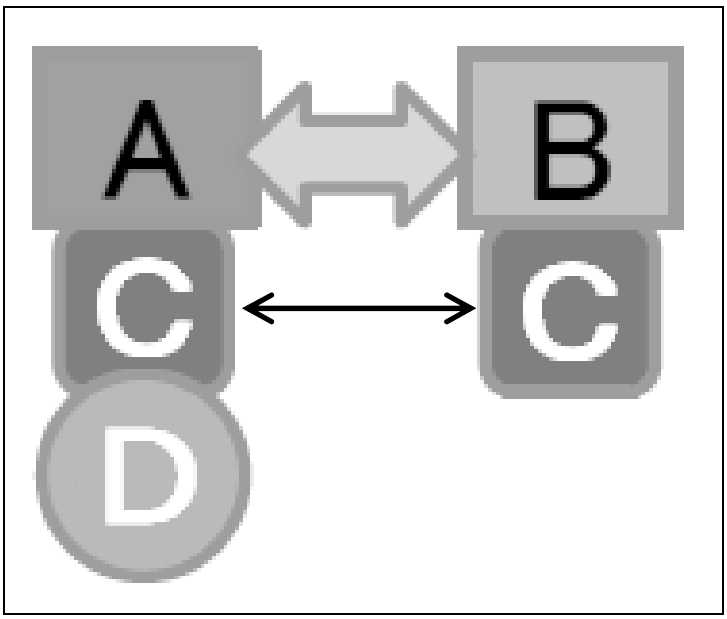


Fig. 2

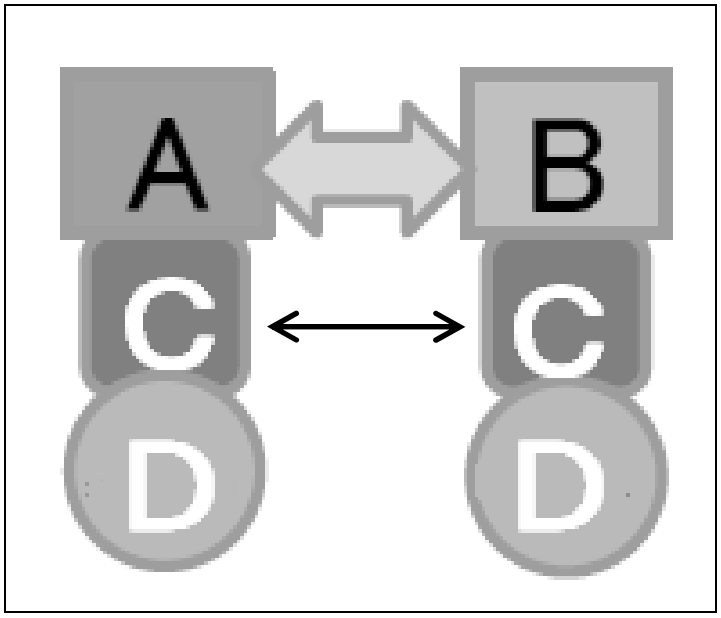


Fig. 3

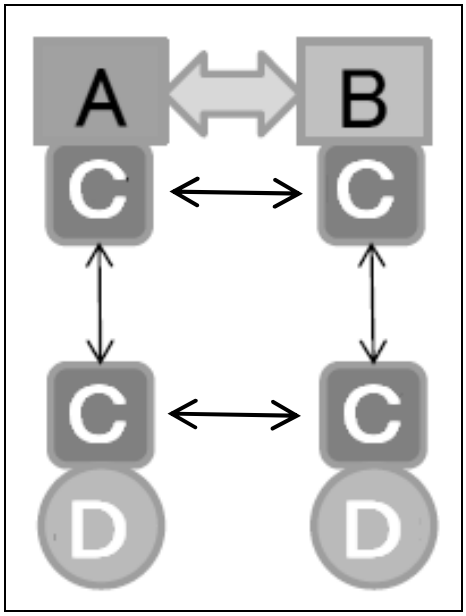


Fig. 4

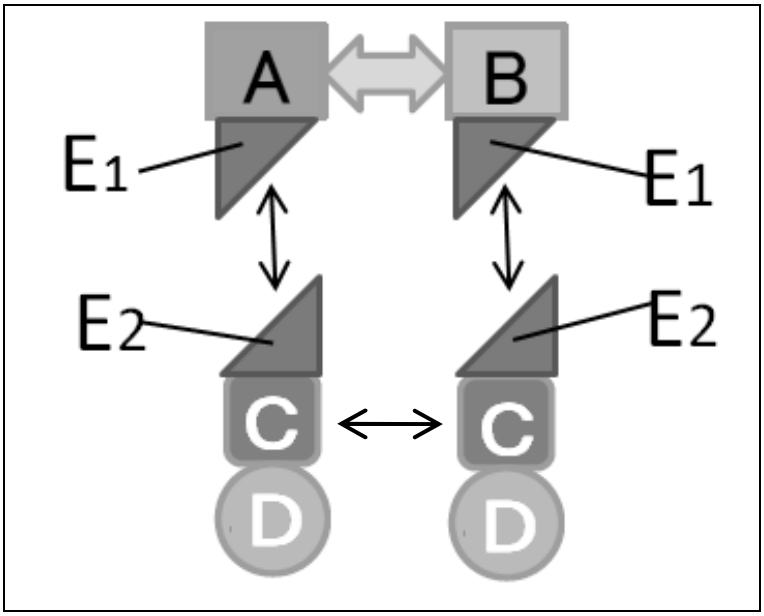


Fig. 5

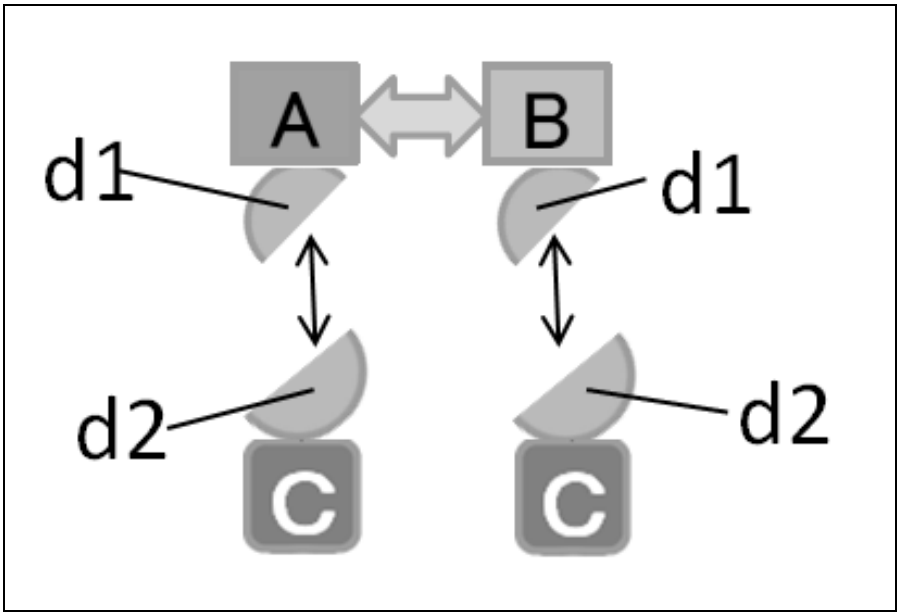


Fig. 6

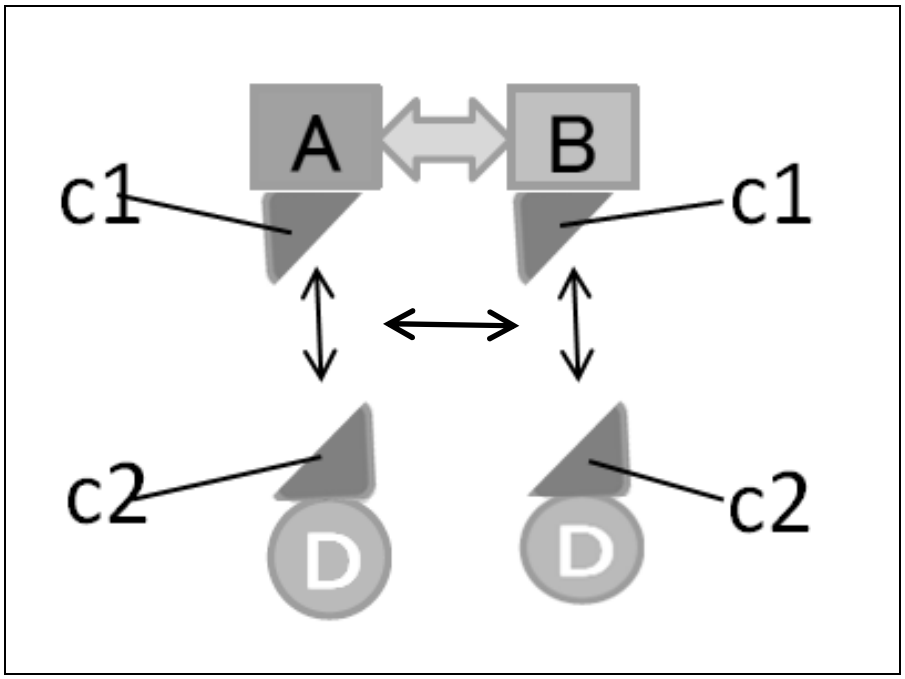


Fig. 7

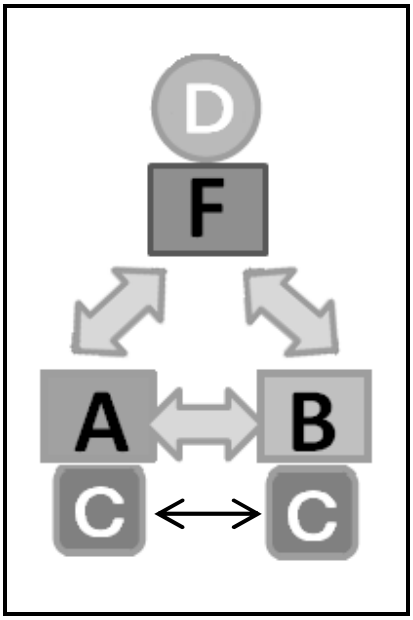


Fig. 8

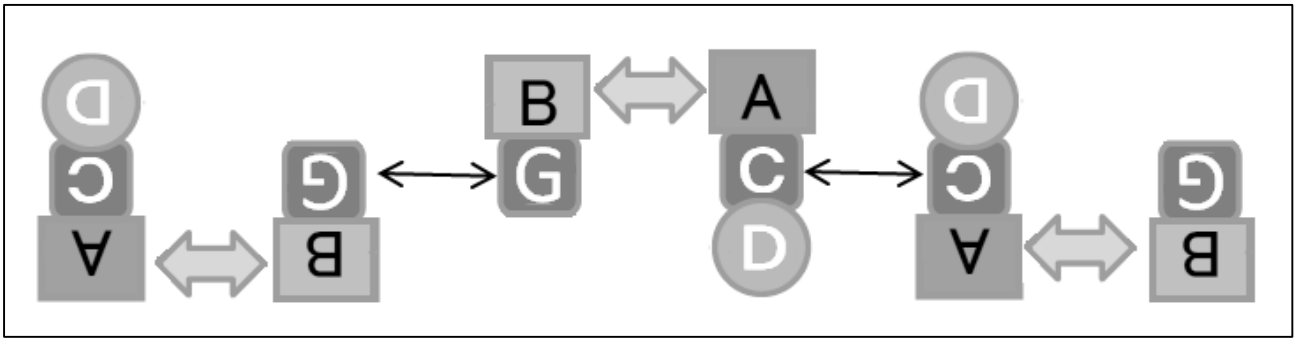


Fig. 9

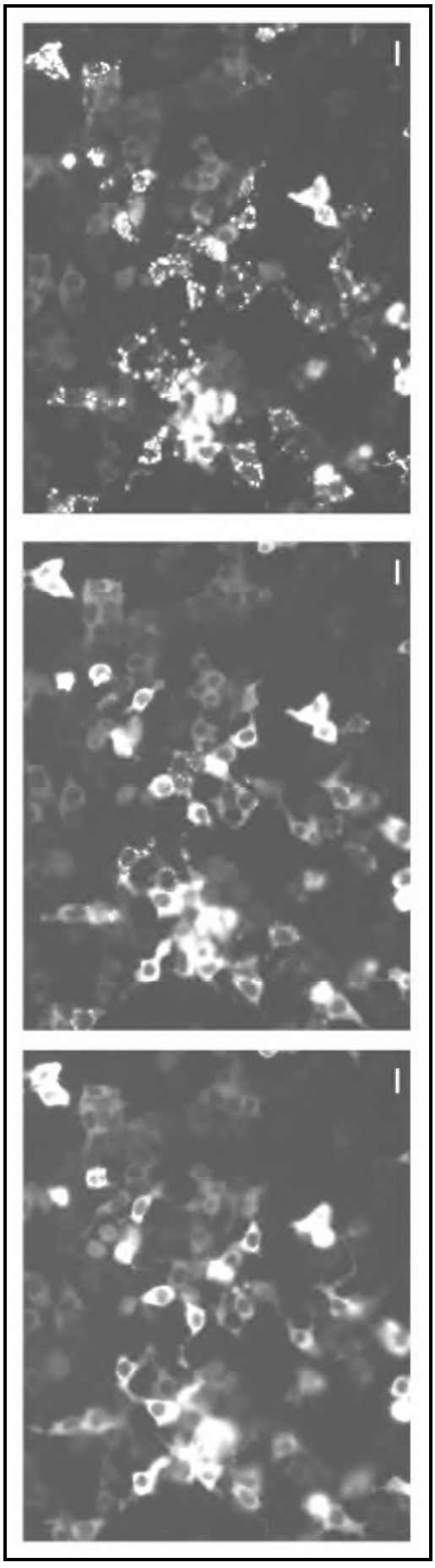


Fig. 10

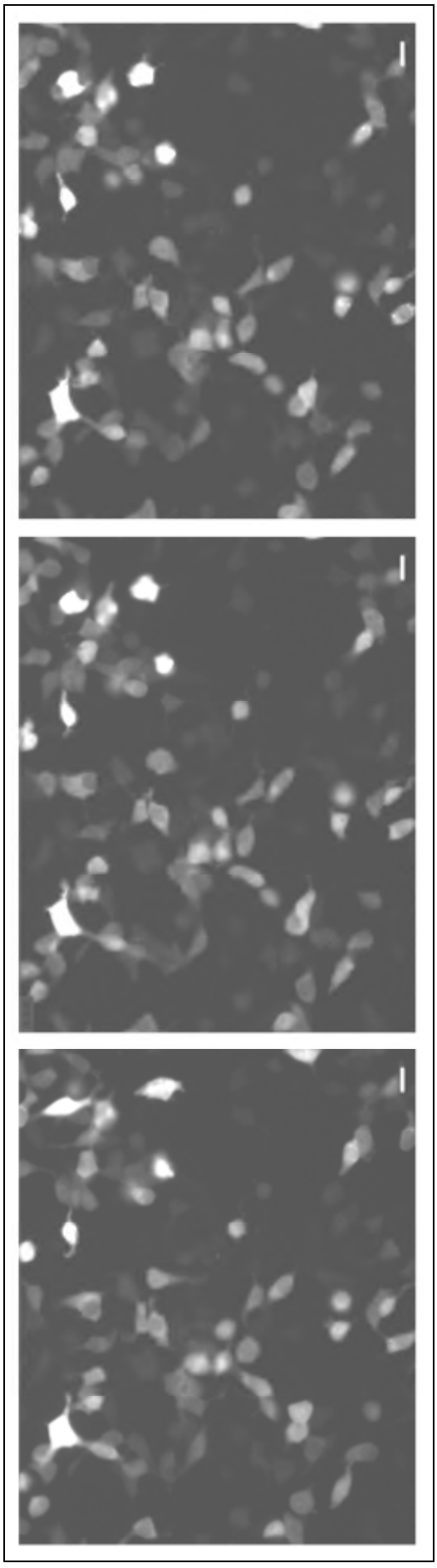


Fig. 11

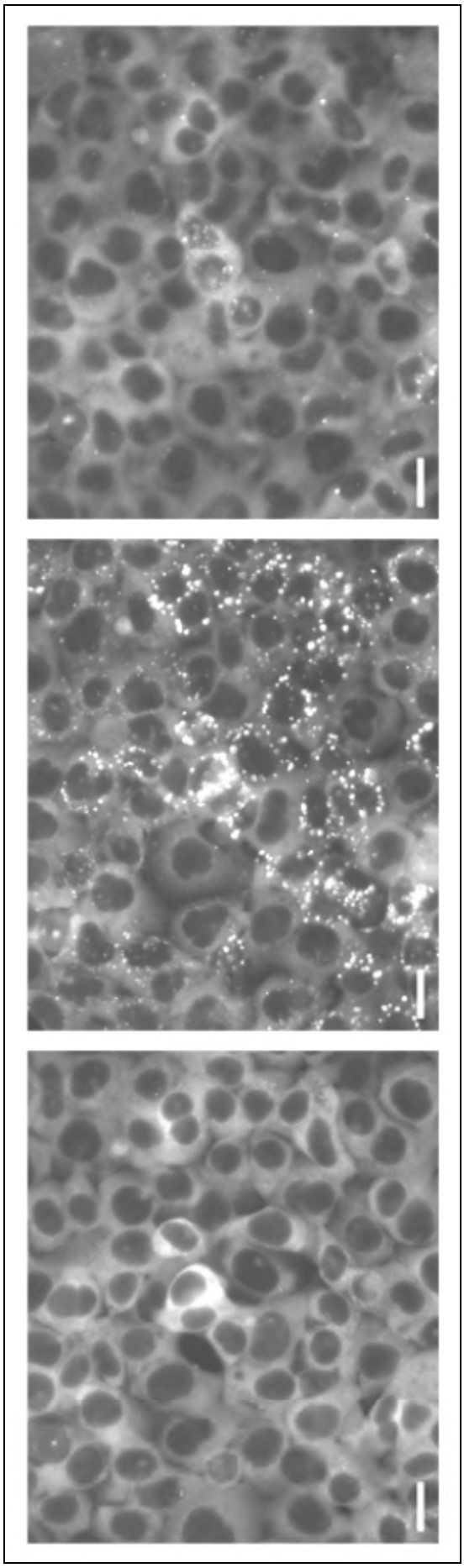


Fig. 12

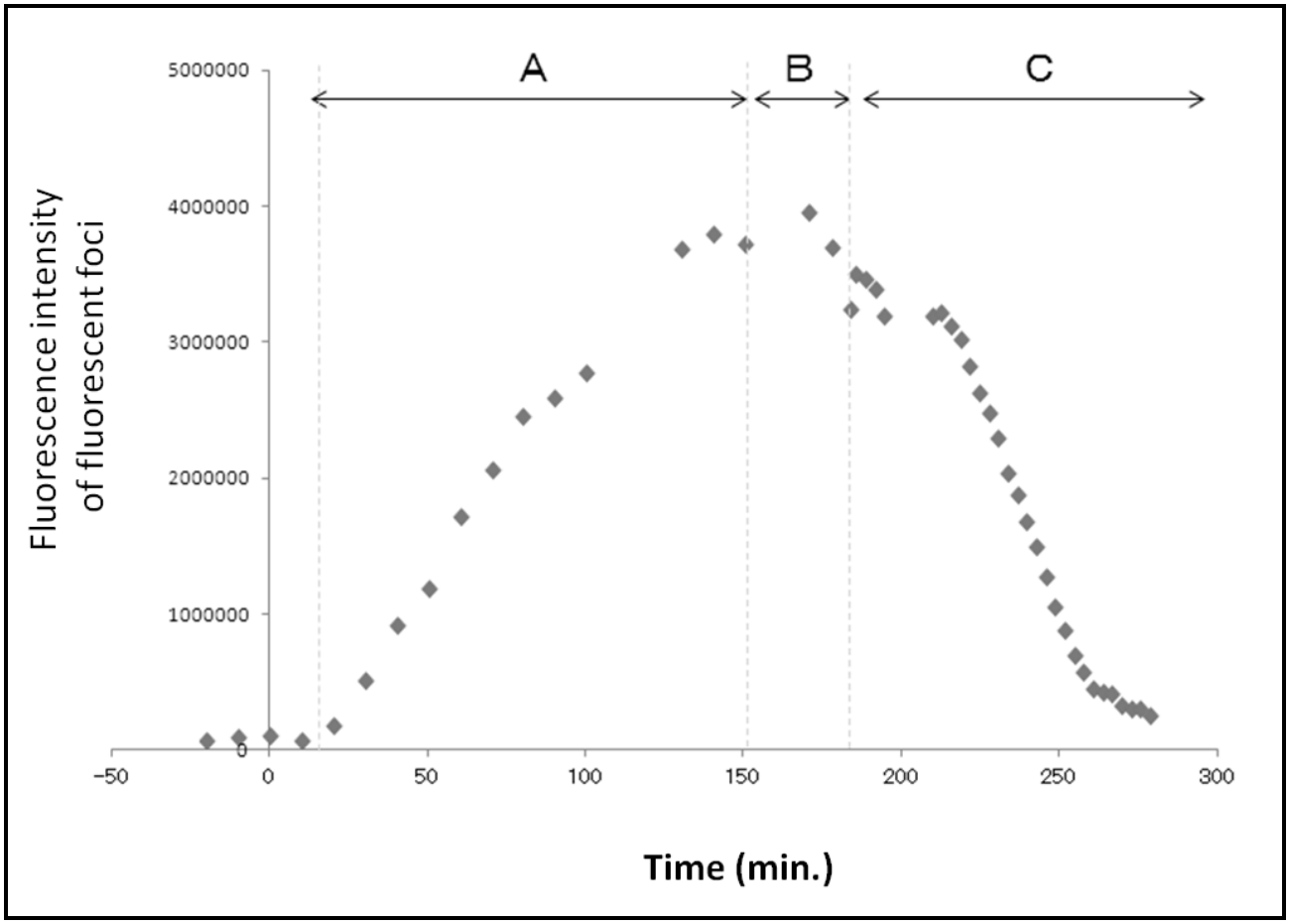

A
B
C
5000000
4000000
3000000
2000000
1000000
0
Fluorescence intensity of fluorescent foci
−50
0
50
100
150
200
250
300
Time (min.)

Fig. 13

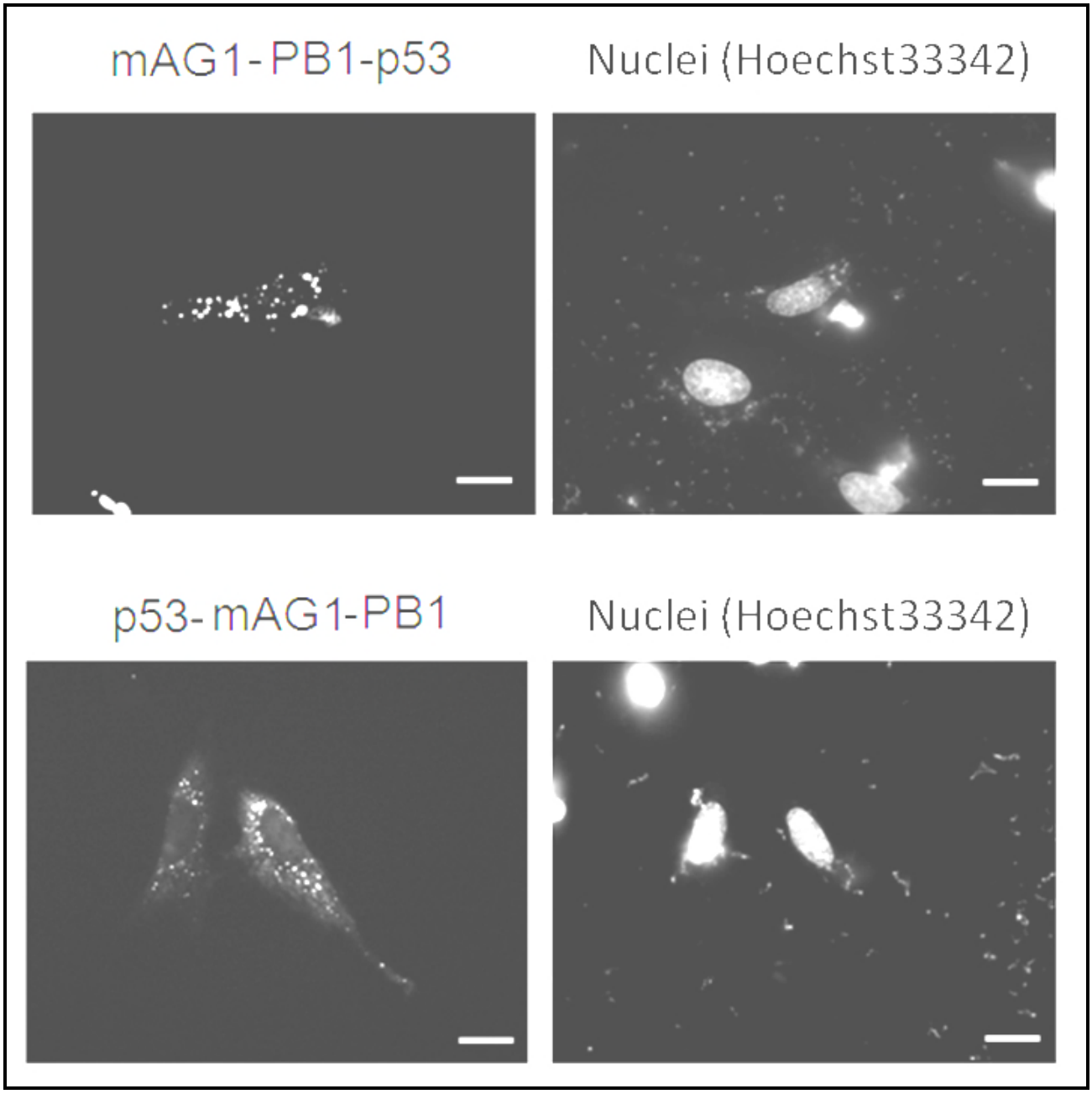

mAG1-PB1-p53
Nuclei (Hoechst33342)
p53-mAG1-PB1
Nuclei (Hoechst33342)

Fig. 14

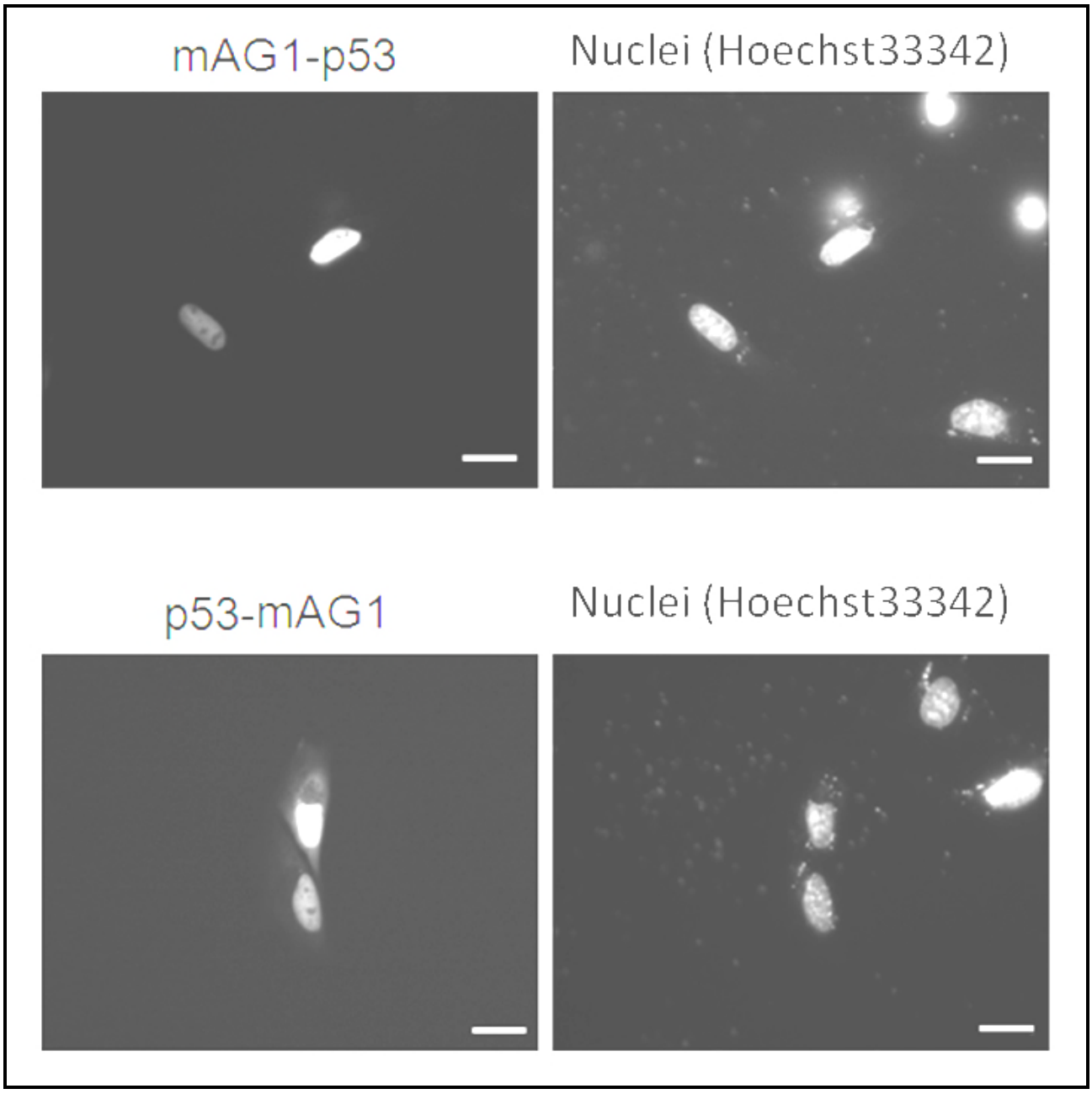

mAG1-p53
Nuclei (Hoechst33342)
p53-mAG1
Nuclei (Hoechst33342)

Fig. 15

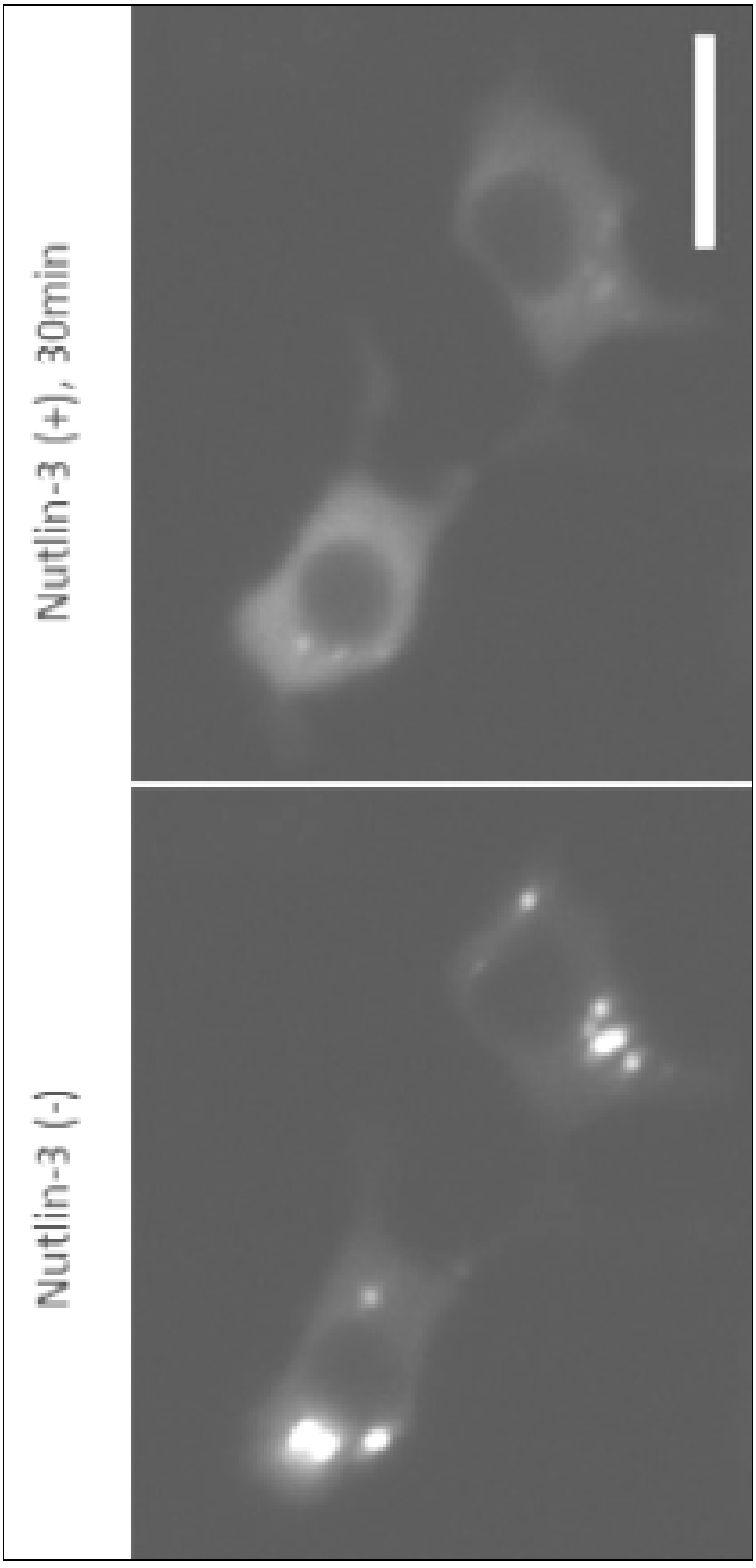


Fig. 16

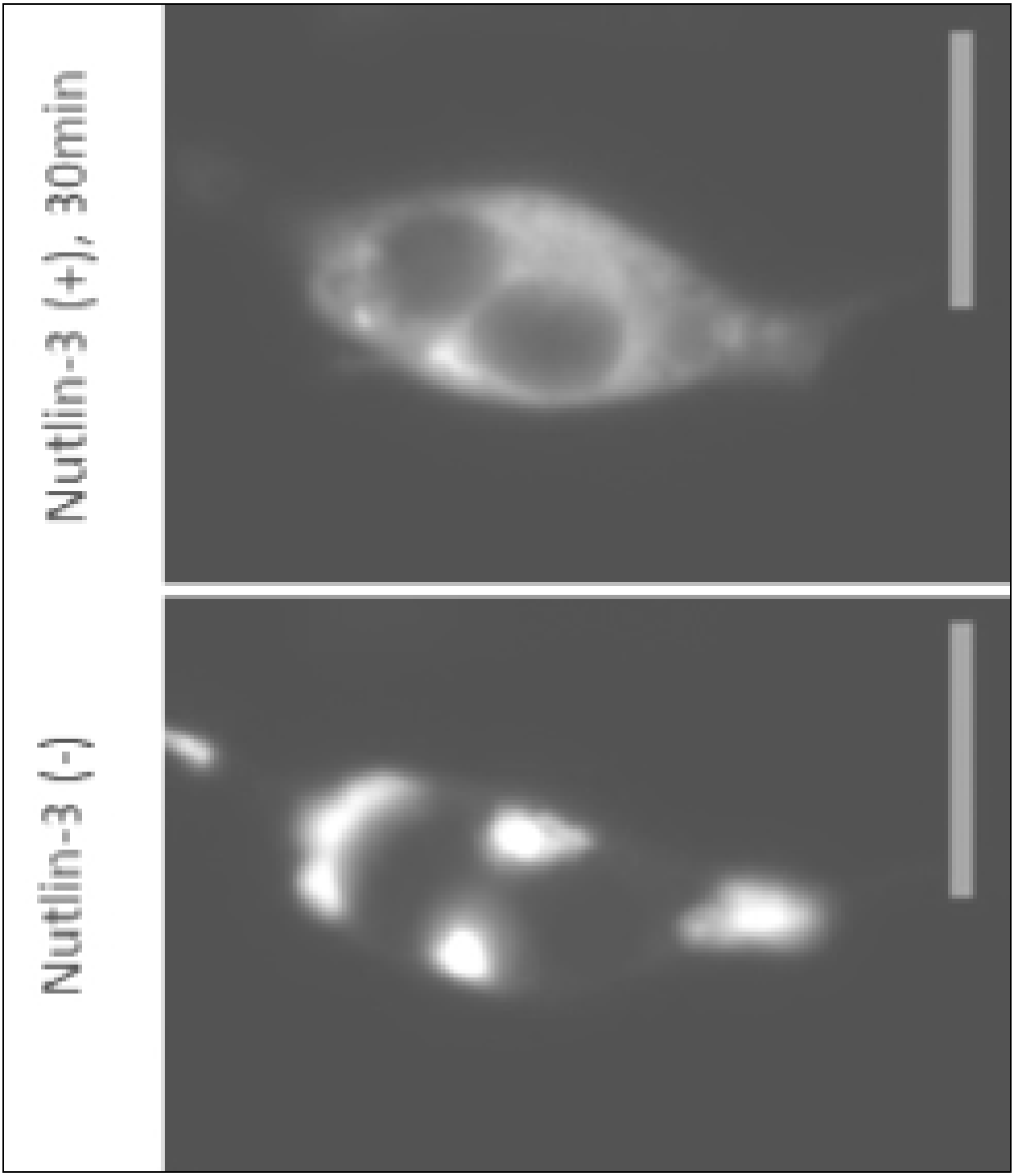


Fig. 17

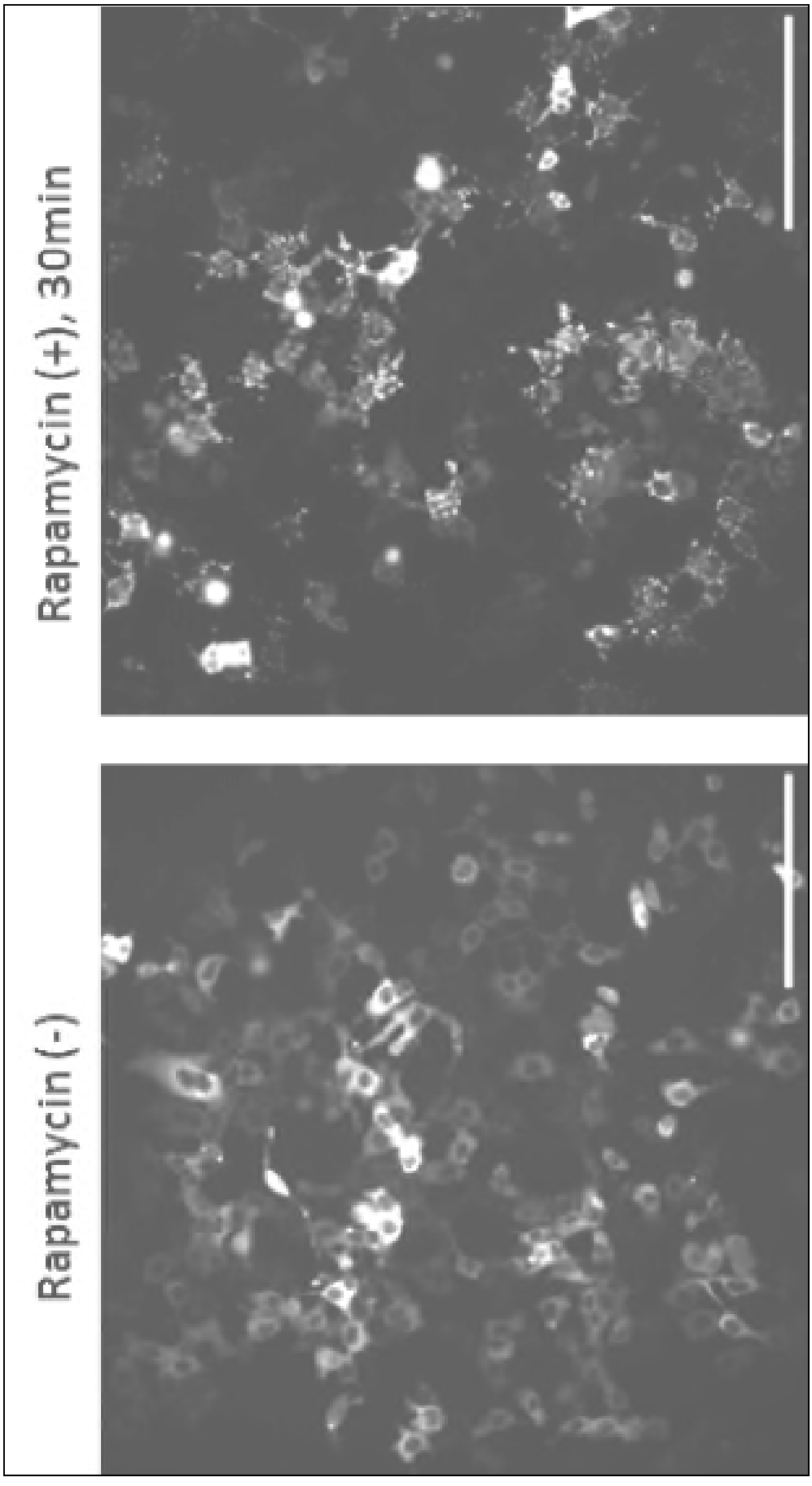


Fig. 18

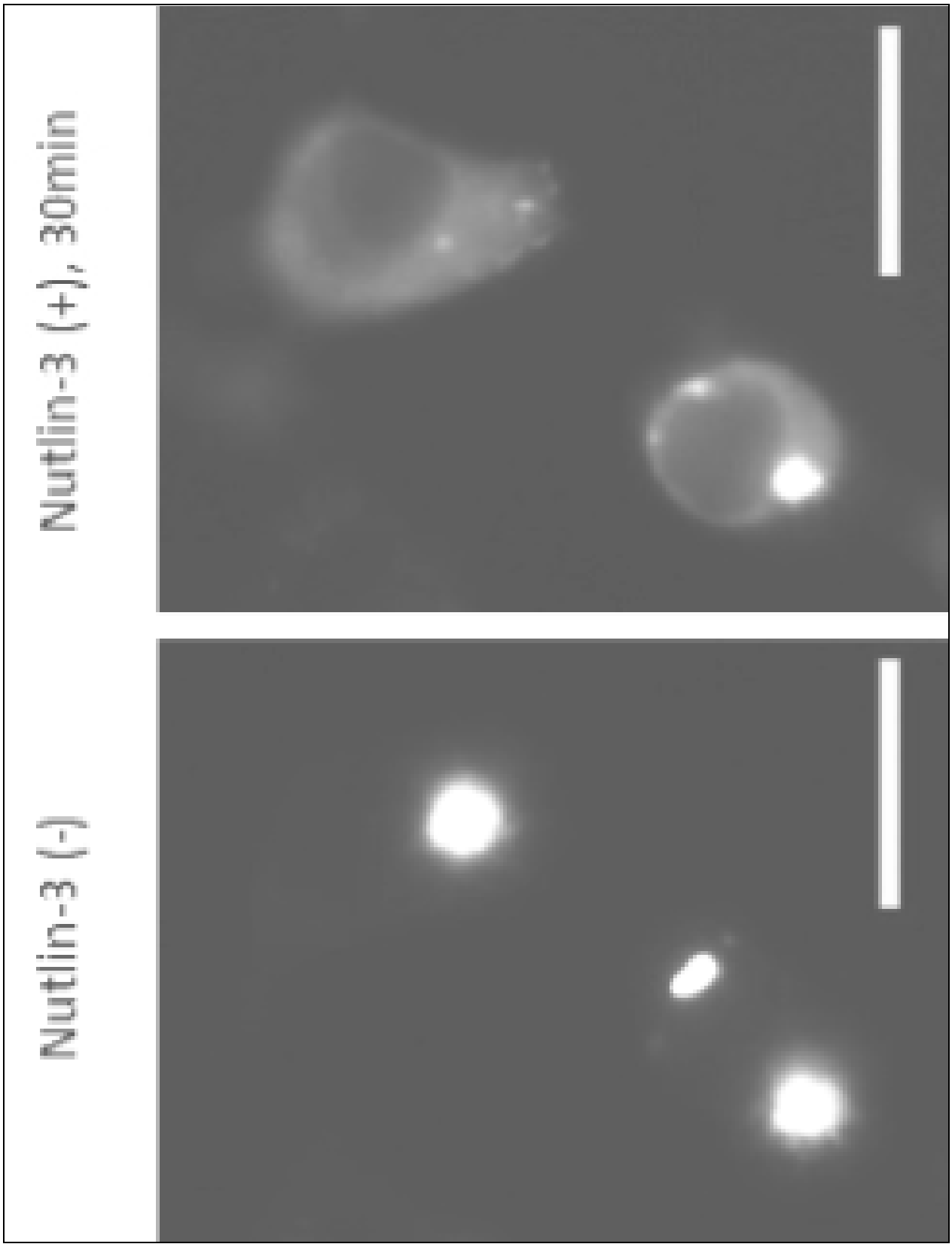


Fig. 19

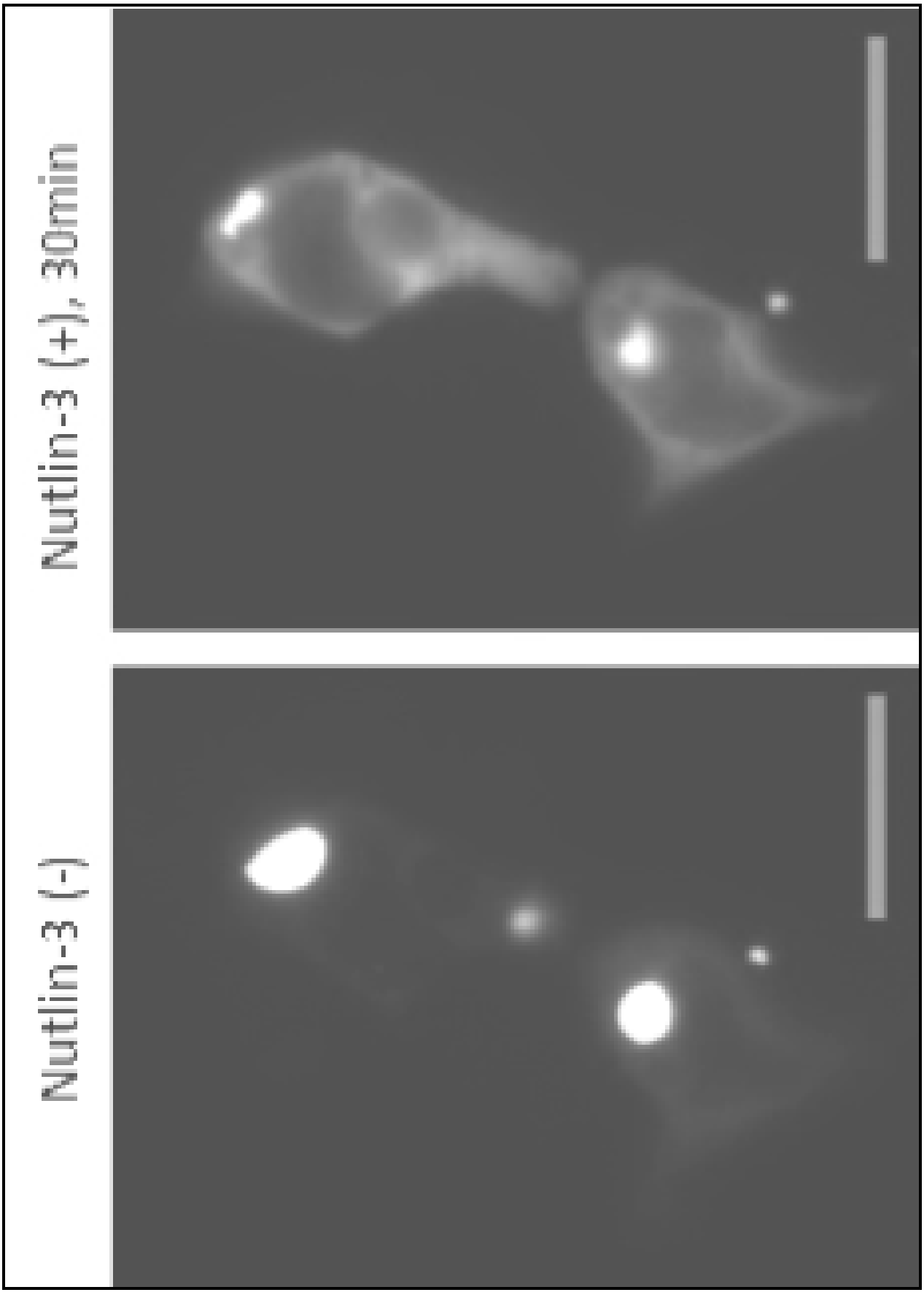


Fig. 20

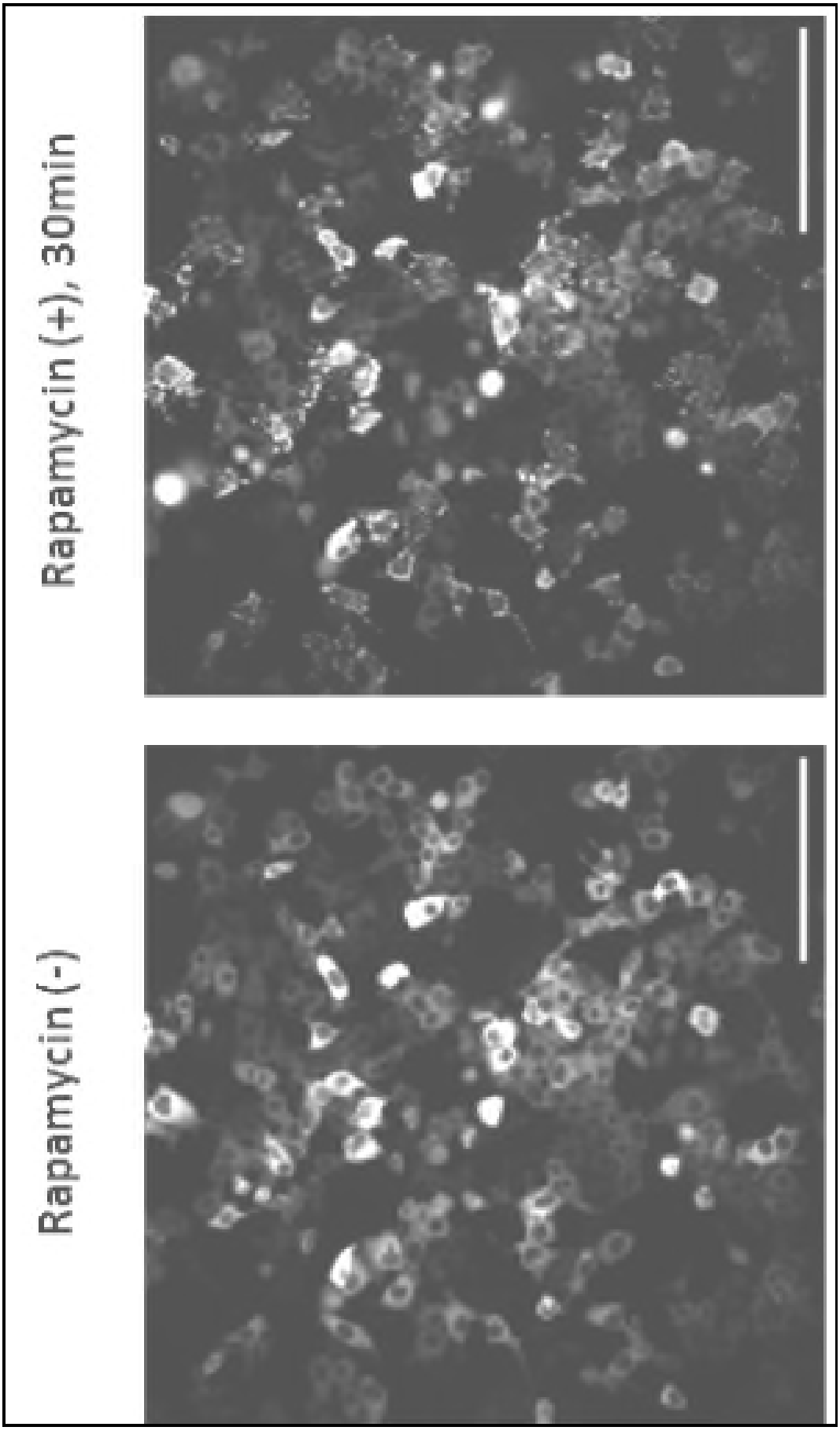


Fig. 21

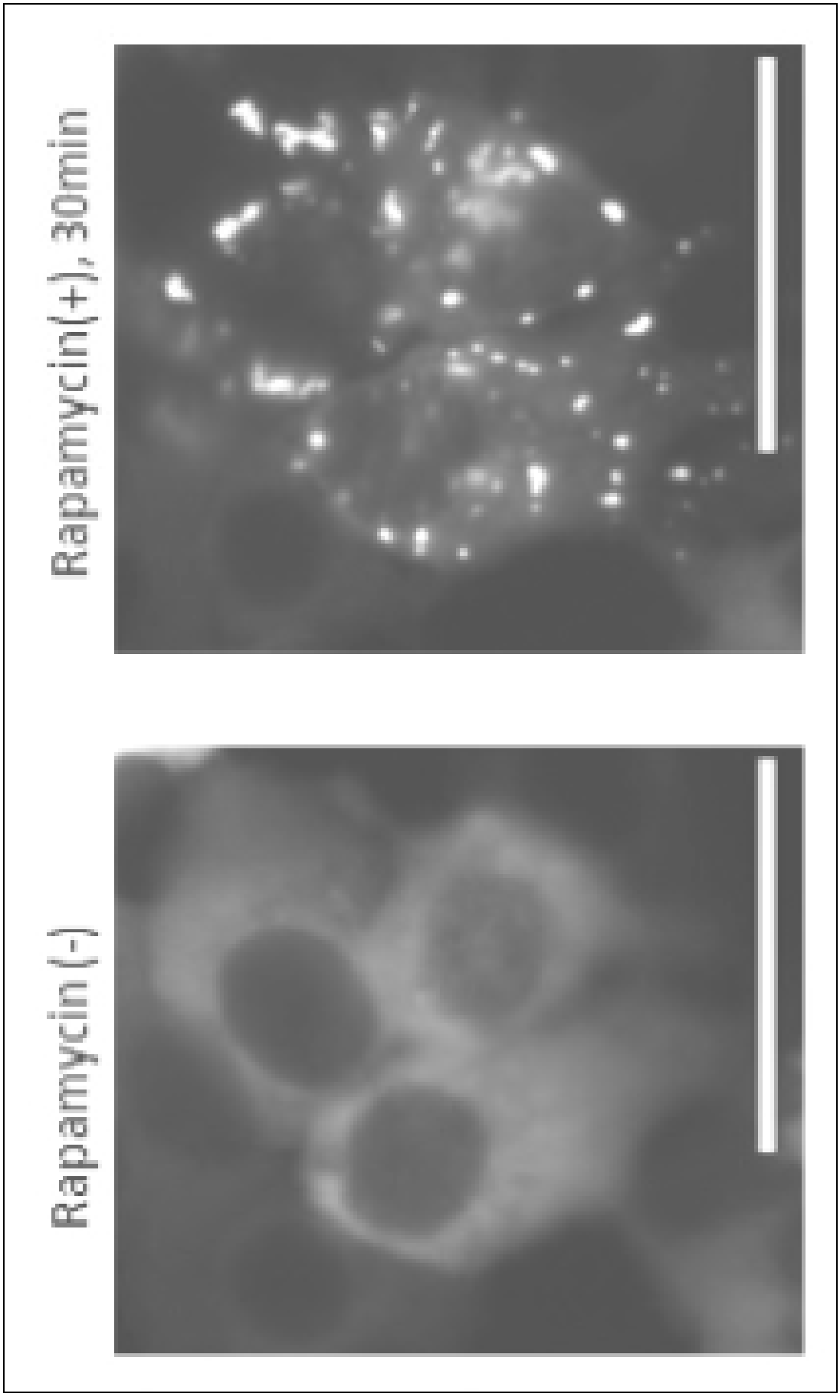


Fig. 22

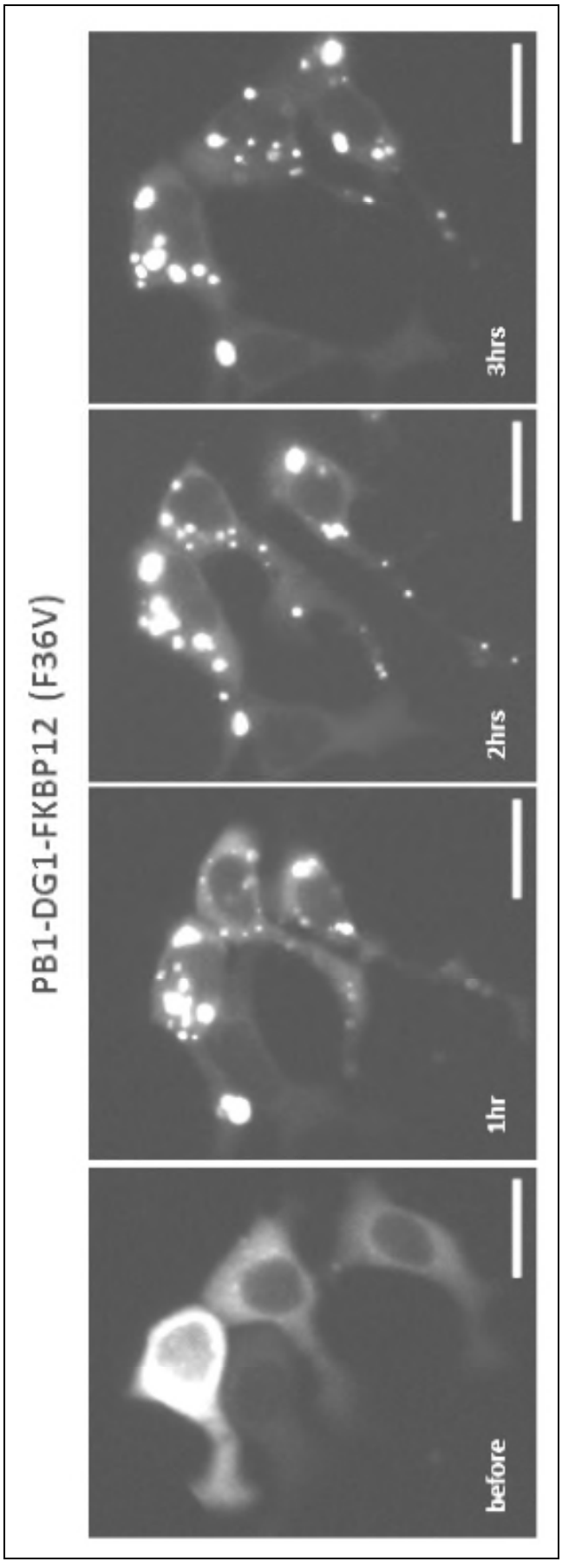


Fig. 23

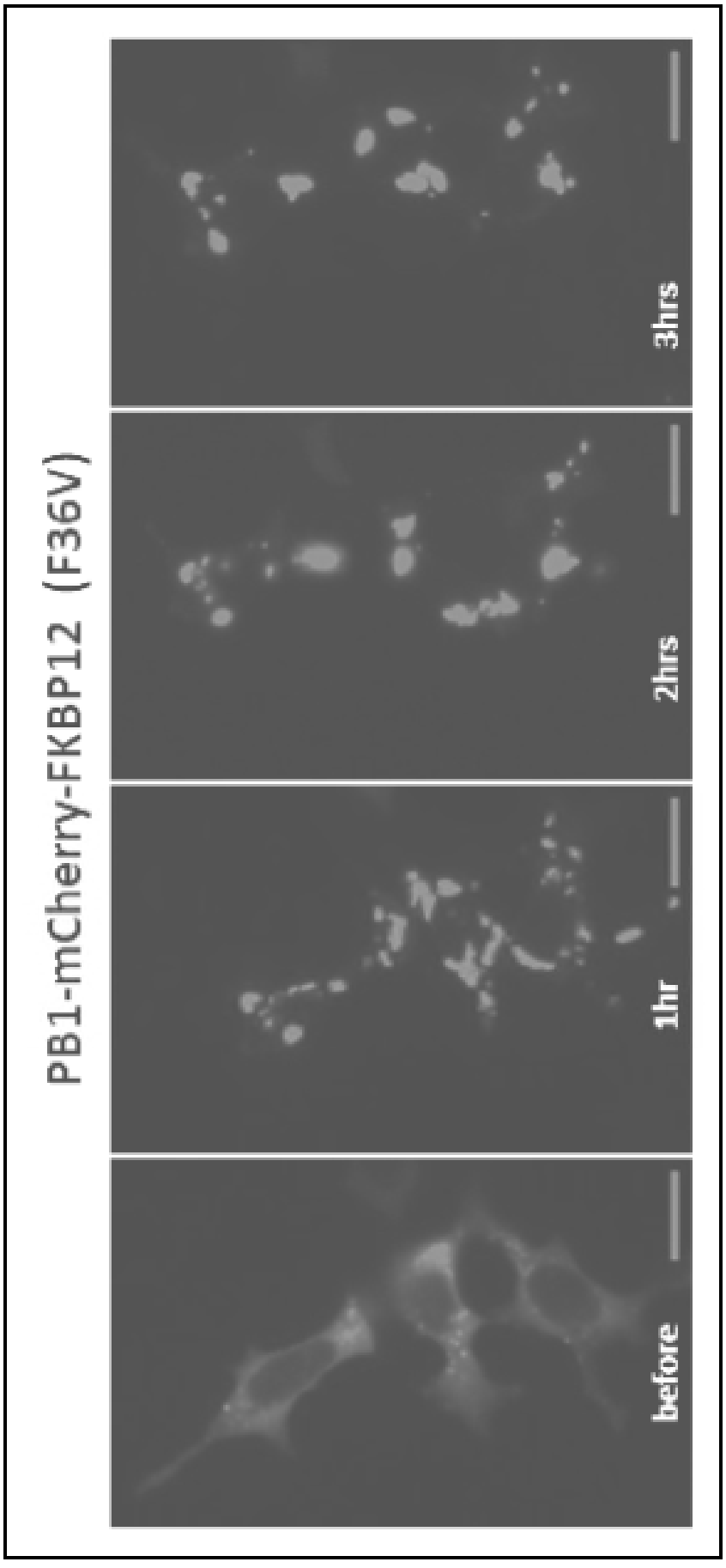


Fig. 24

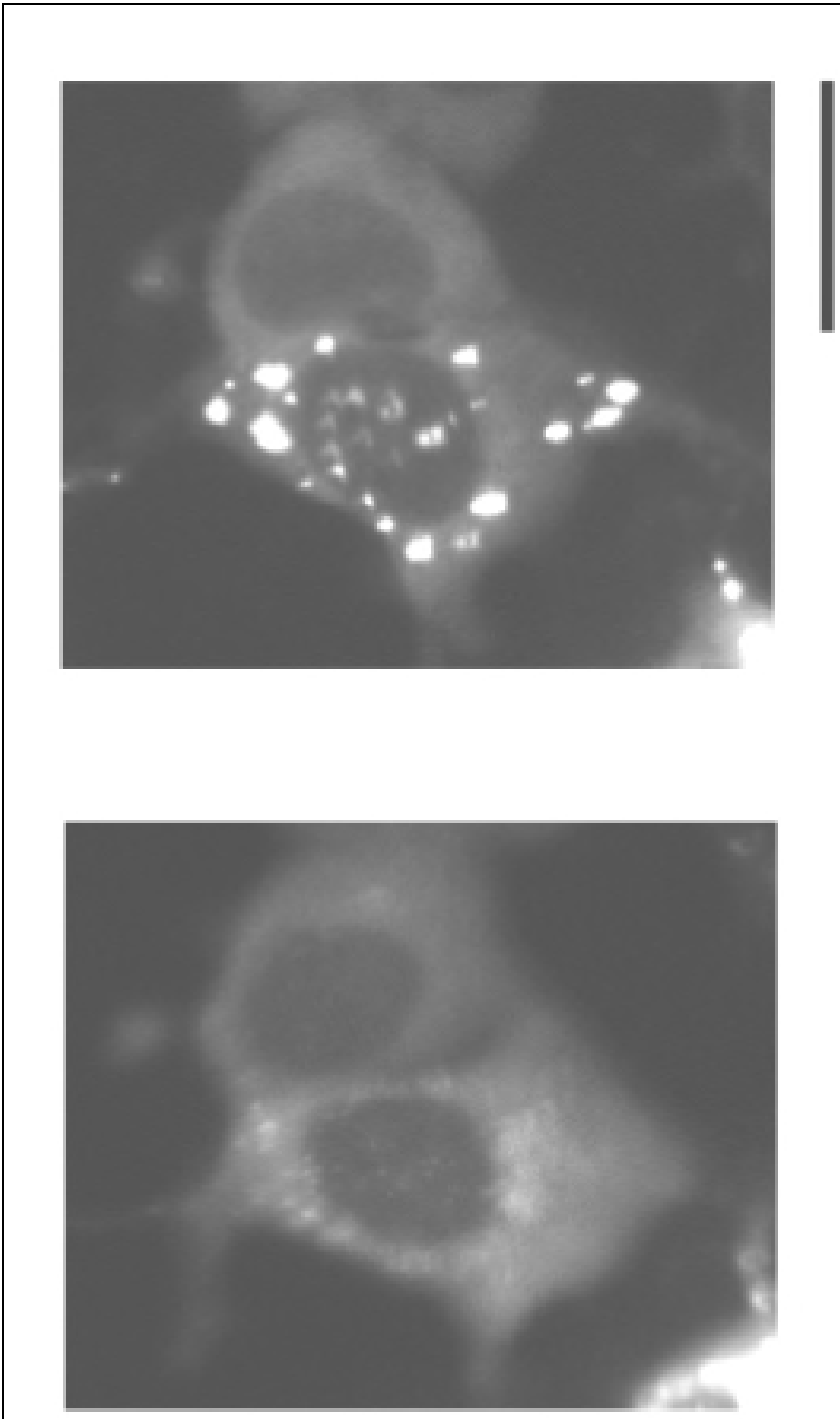


Fig. 25

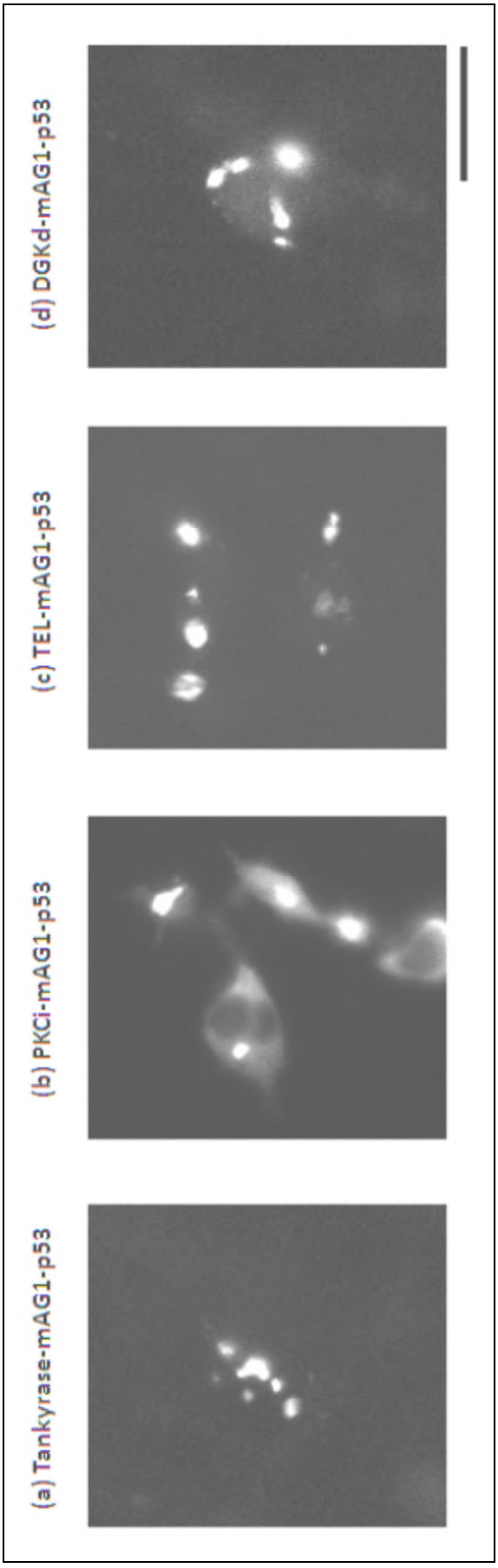

(a) Tankyrase-mAG1-p53
(b) PKCi-mAG1-p53
(c) TEL-mAG1-p53
(d) DGKd-mAG1-p53

Fig. 26

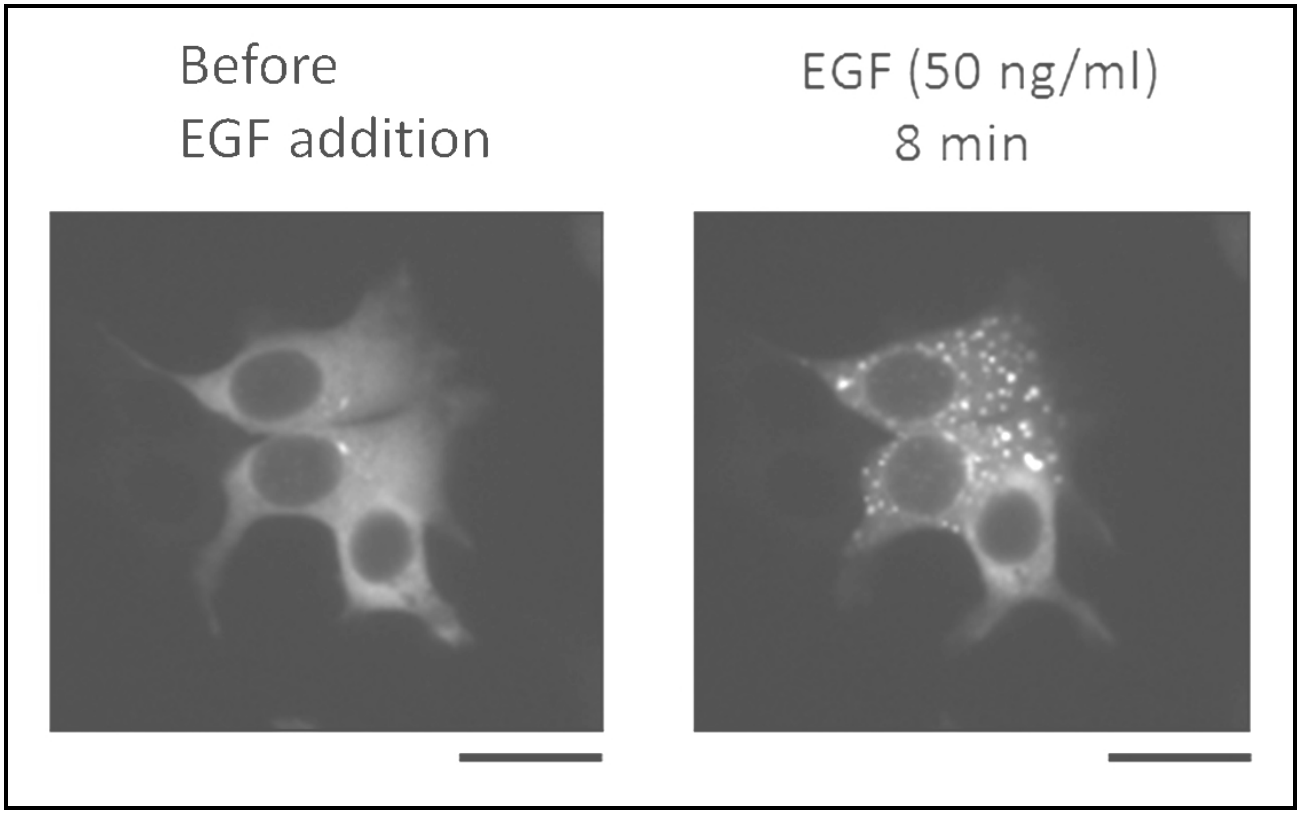


Fig. 27

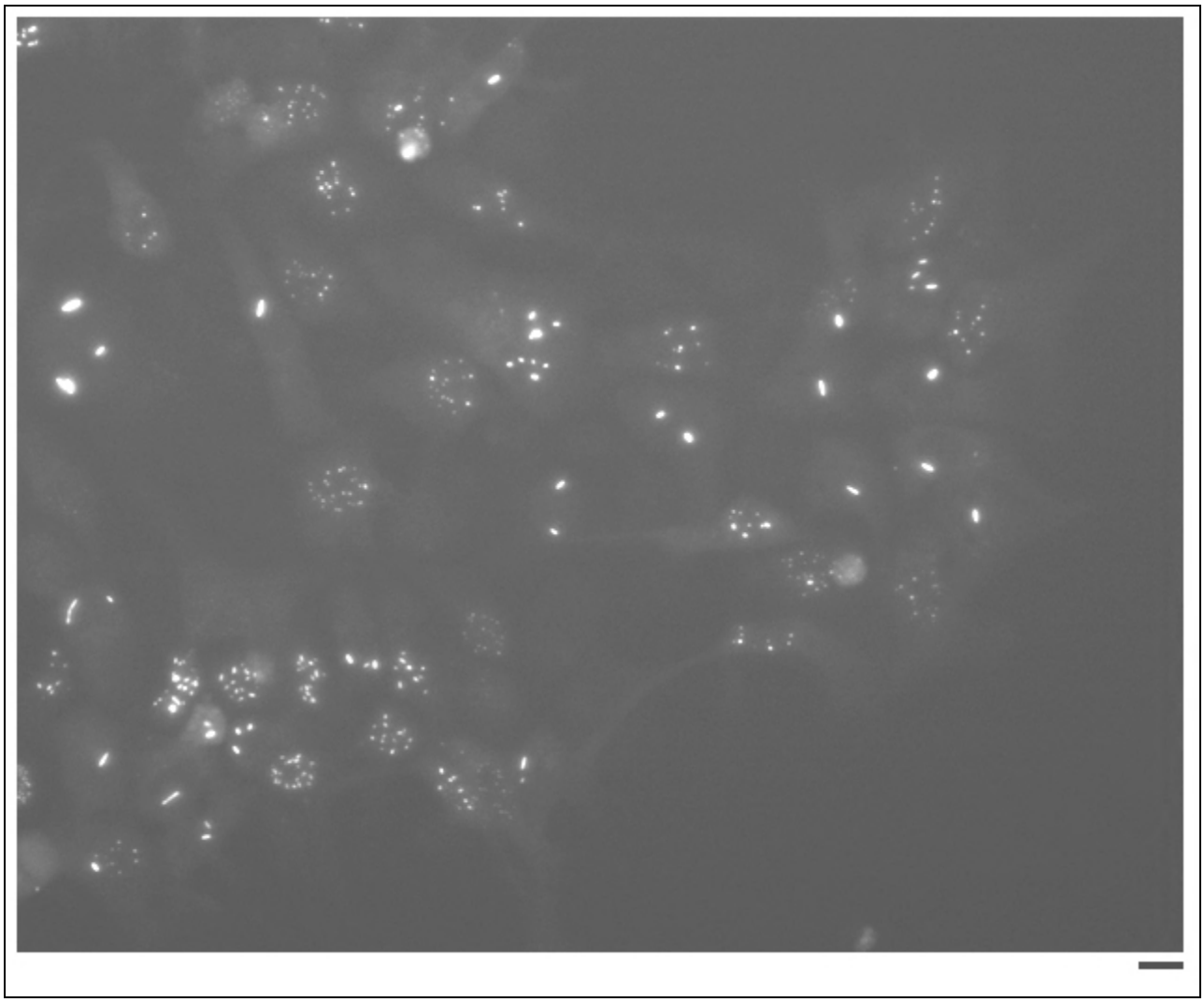


Fig. 28

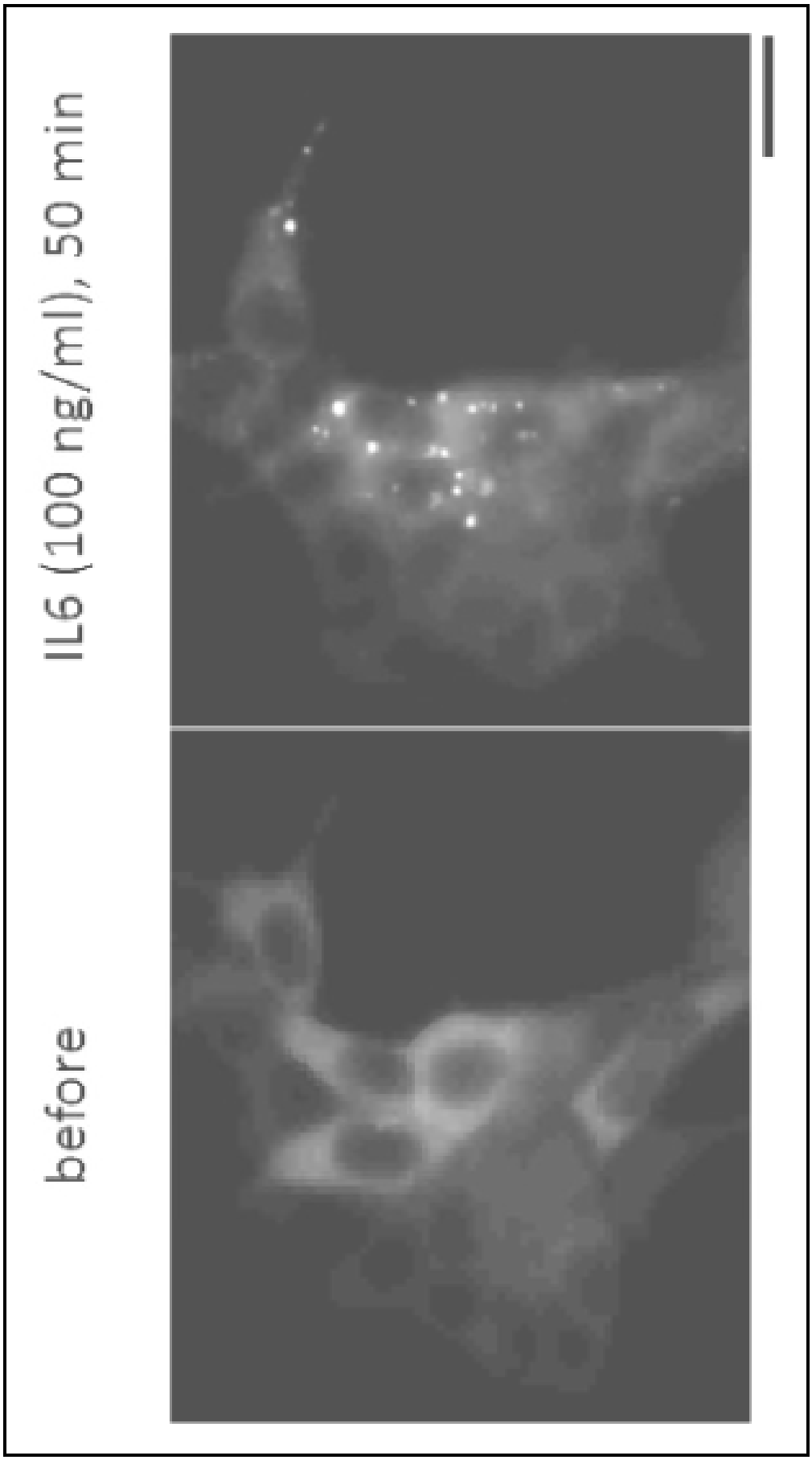


Fig. 29

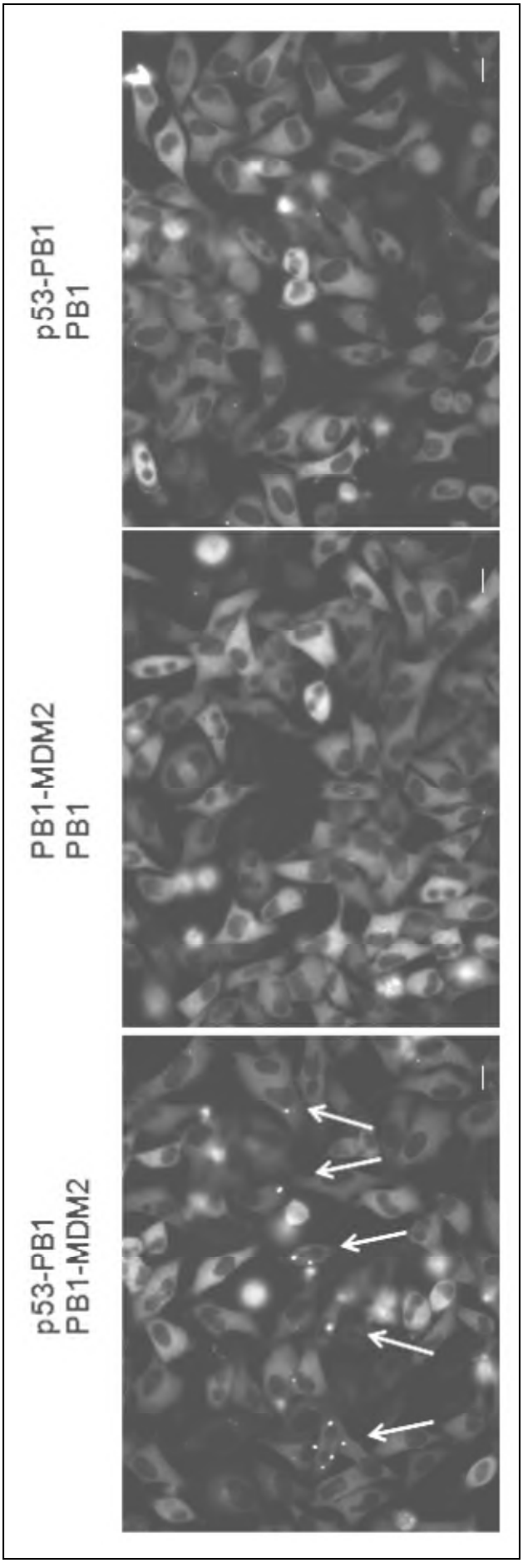


Fig. 30

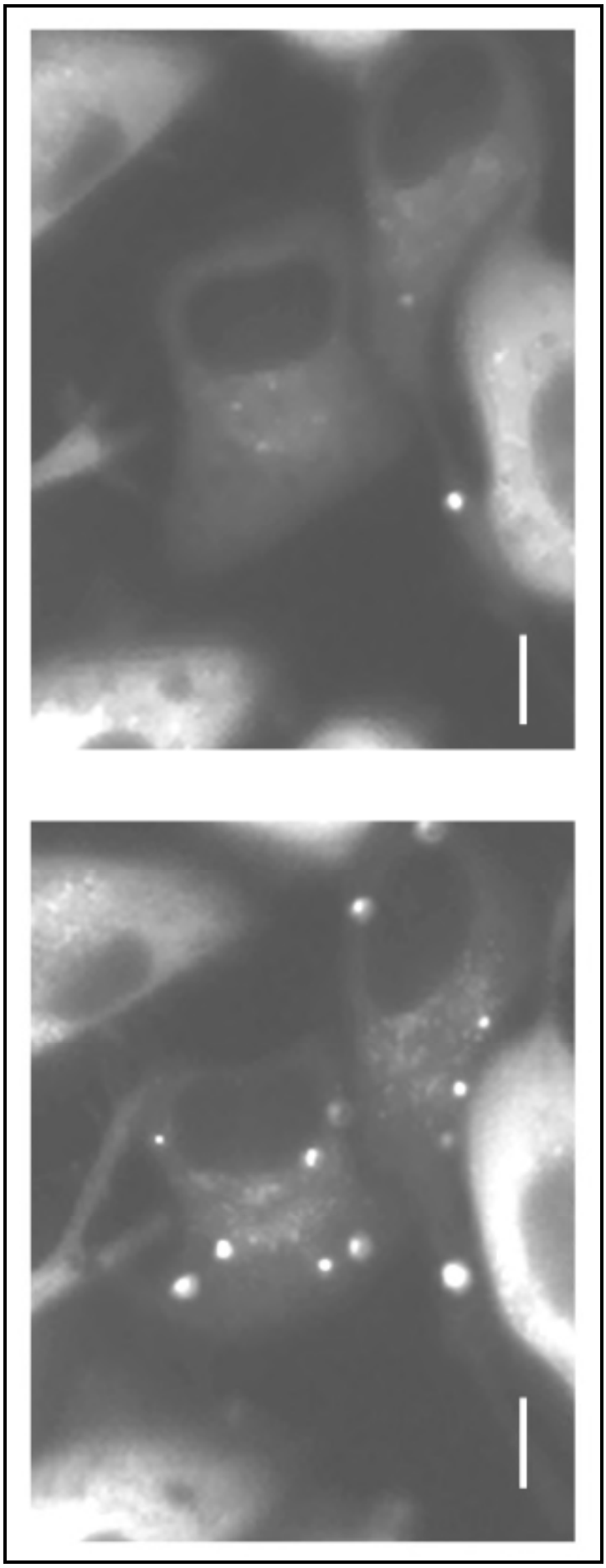


Fig. 31

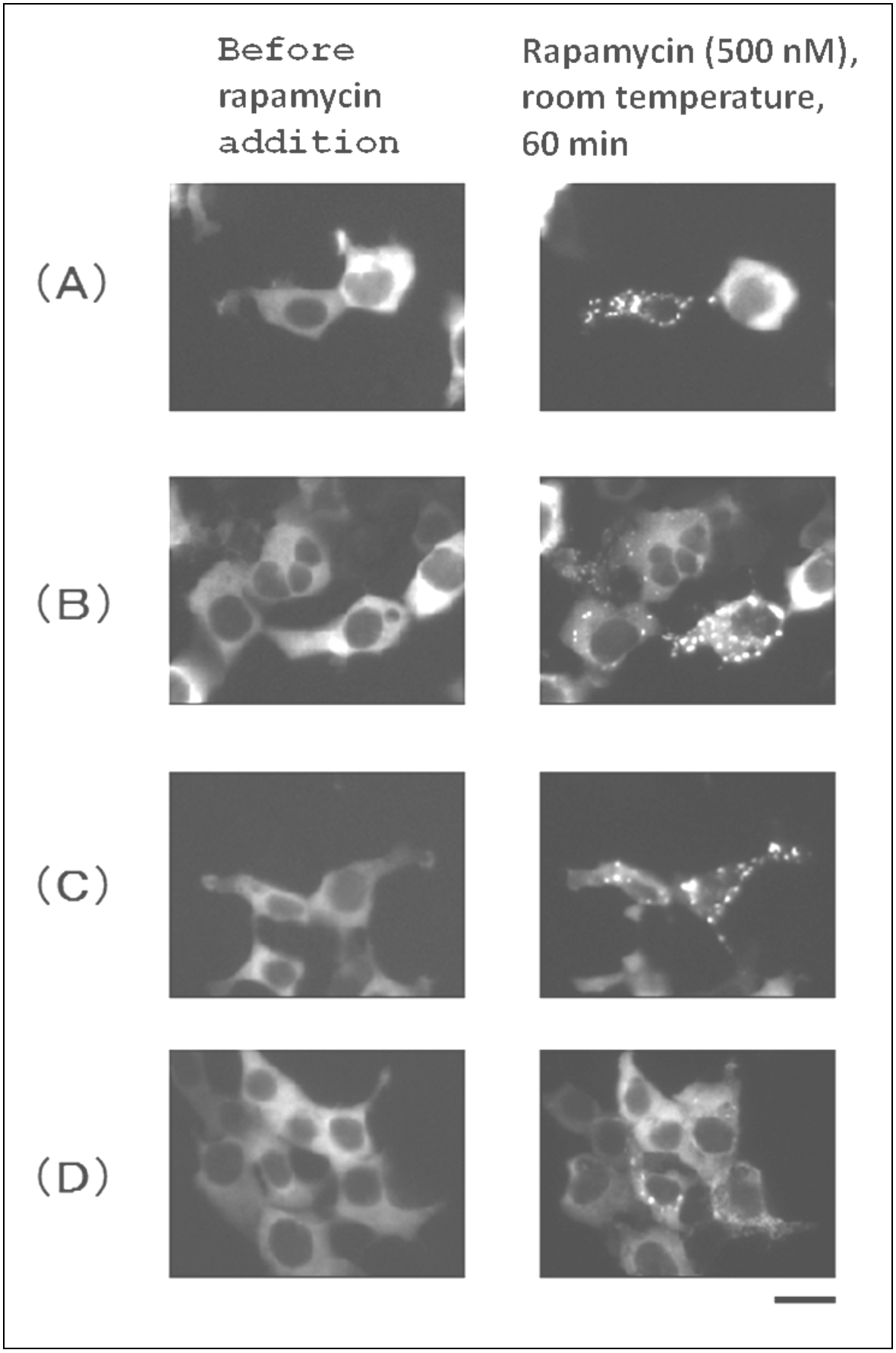

Before rapamycin addition
Rapamycin (500 nM), room temperature, 60 min
(A)
(B)
(C)
(D)

Fig. 32

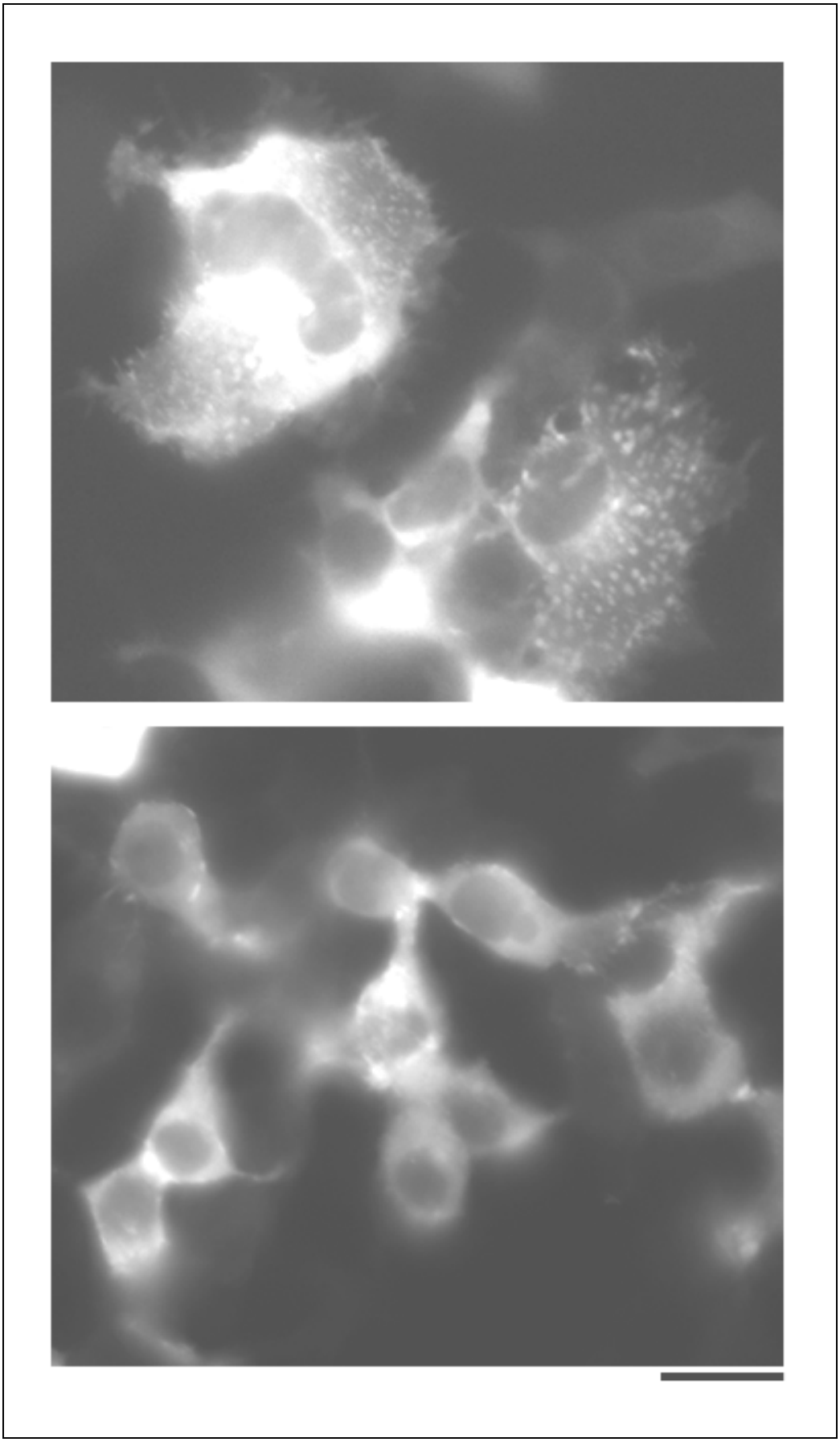


Fig. 33

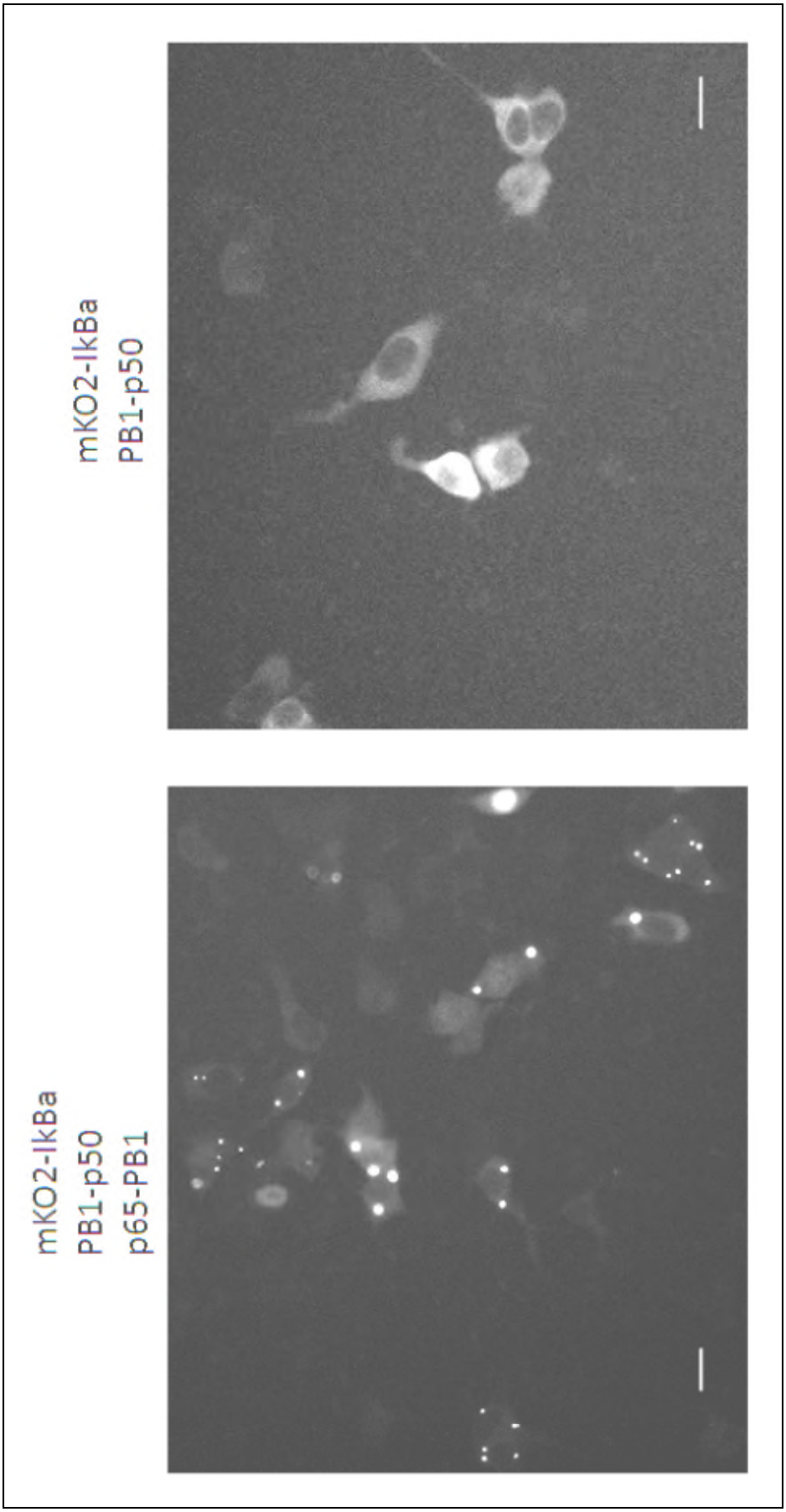


Fig. 34

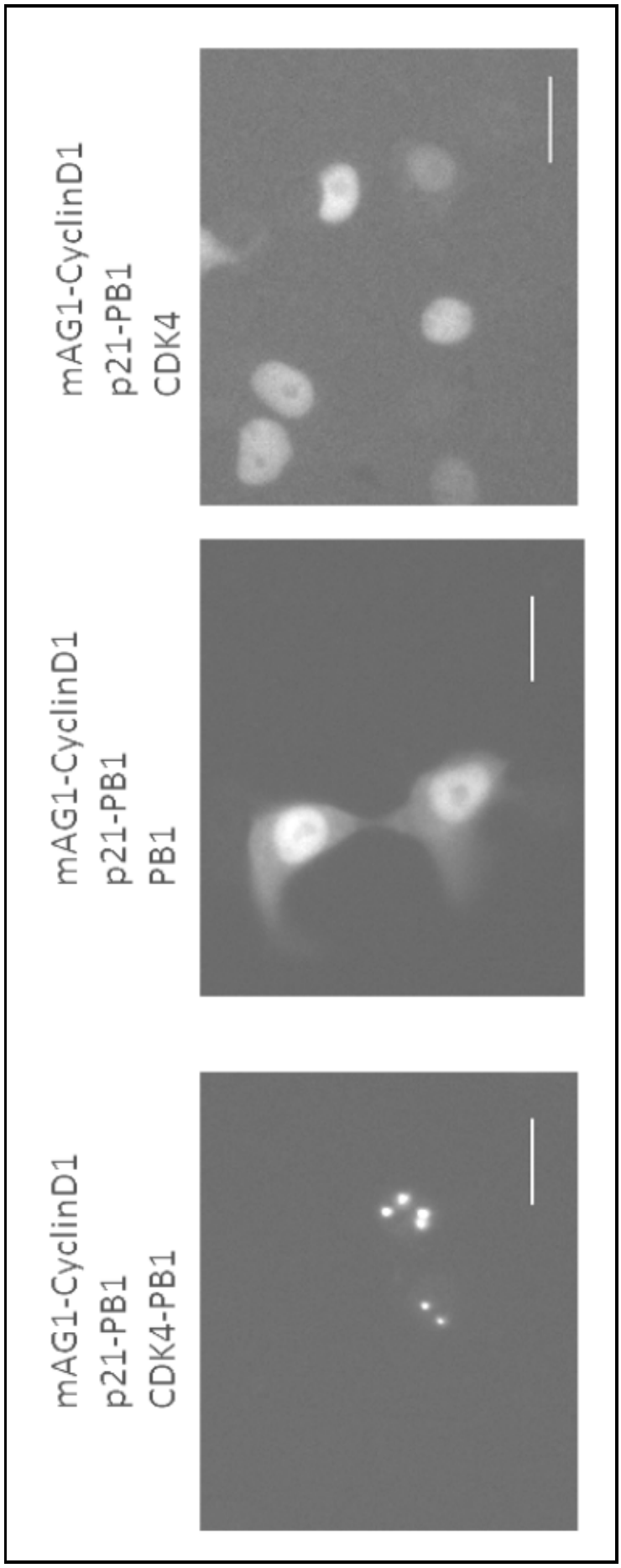

mAG1-CyclinD1
p21-PB1
CDK4-PB1
mAG1-CyclinD1
p21-PB1
PB1
mAG1-CyclinD1
p21-PB1
CDK4

Fig. 35

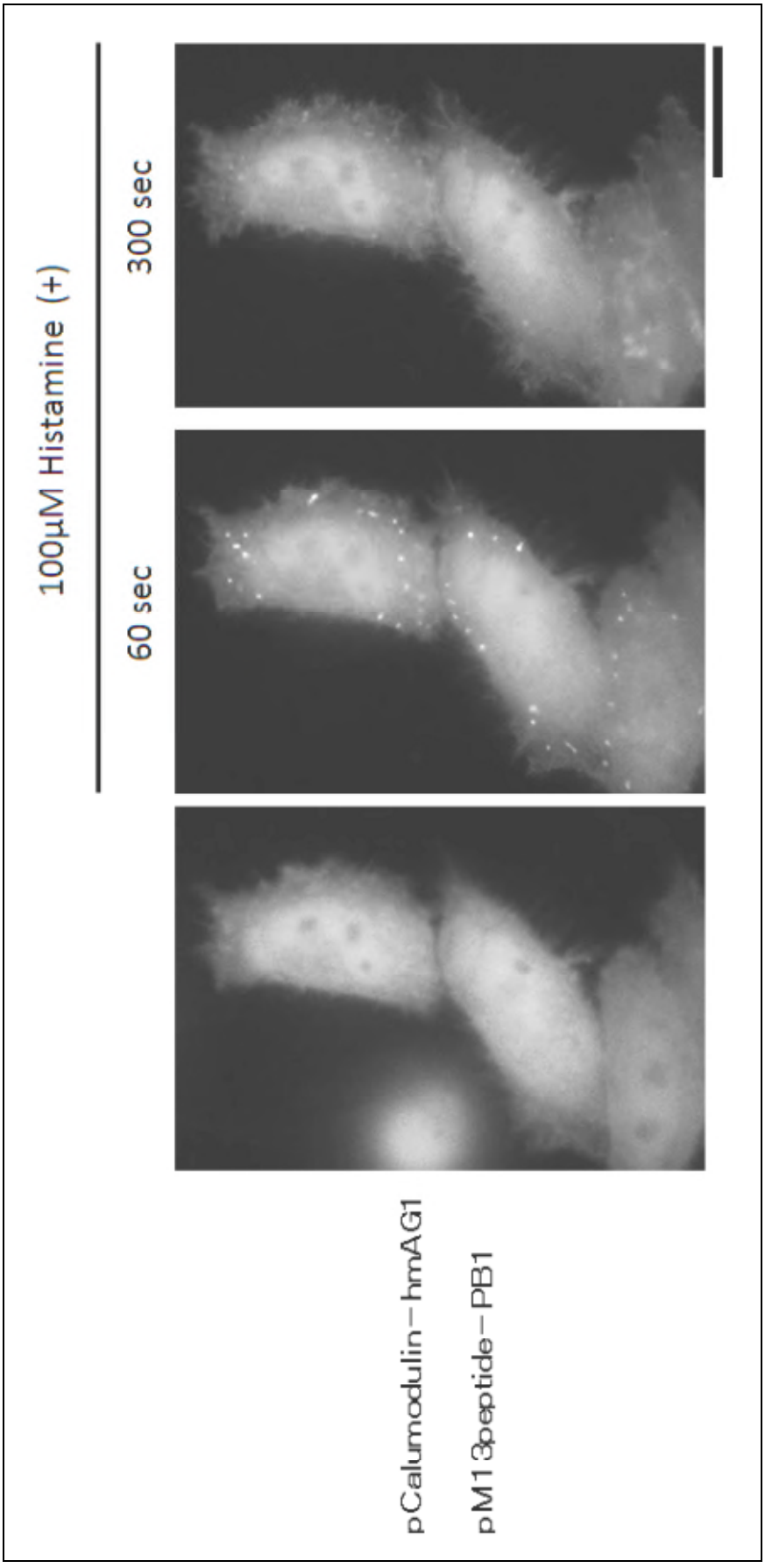

100μM Histamine (+)
60 sec
300 sec
pCalumodulin－hmAG1
pM13peptide－PB1

Fig. 36

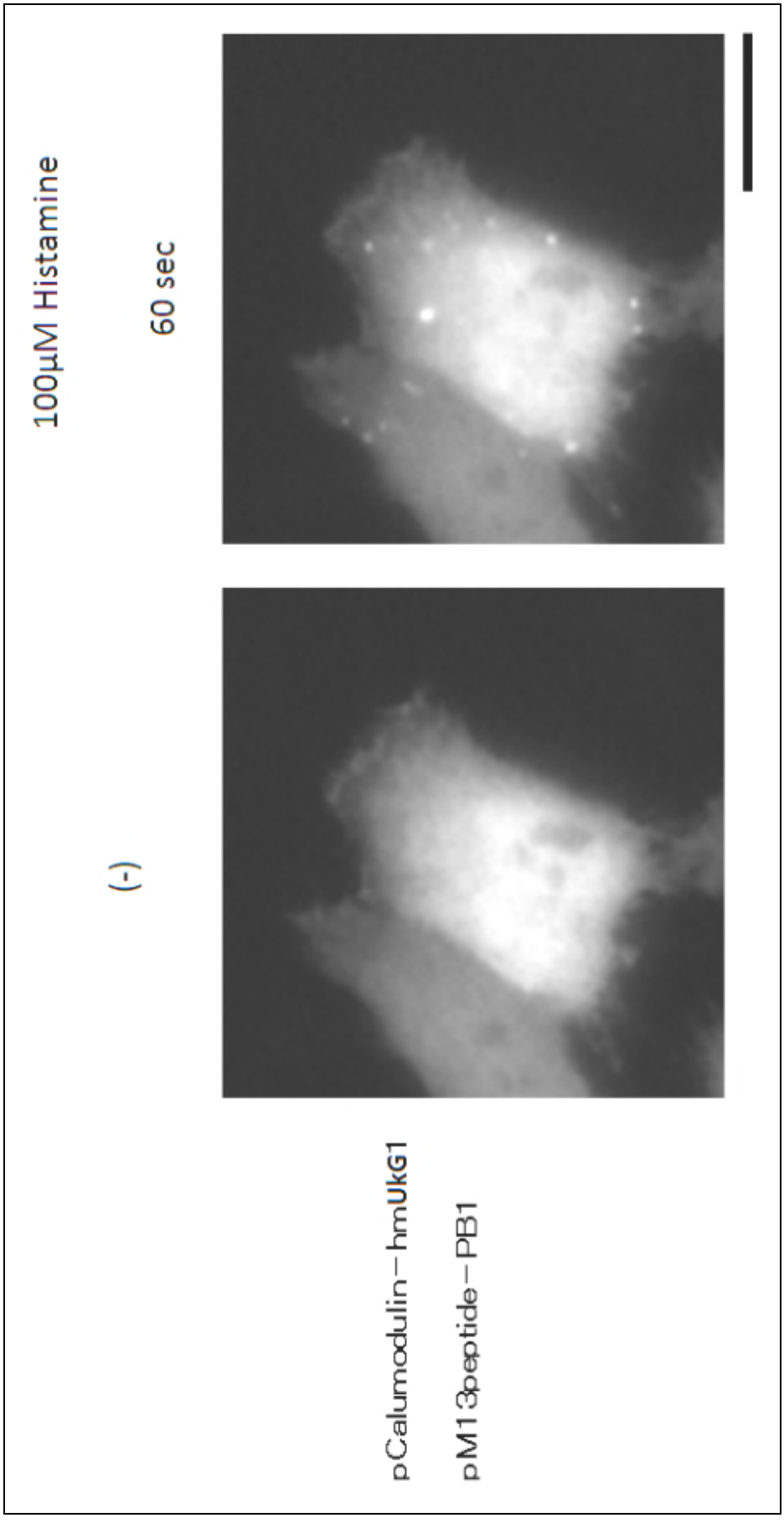

100μM Histamine
60 sec
(-)
pCalumodulin – hmUkG1
pM13peptide – PB1

Fig. 37

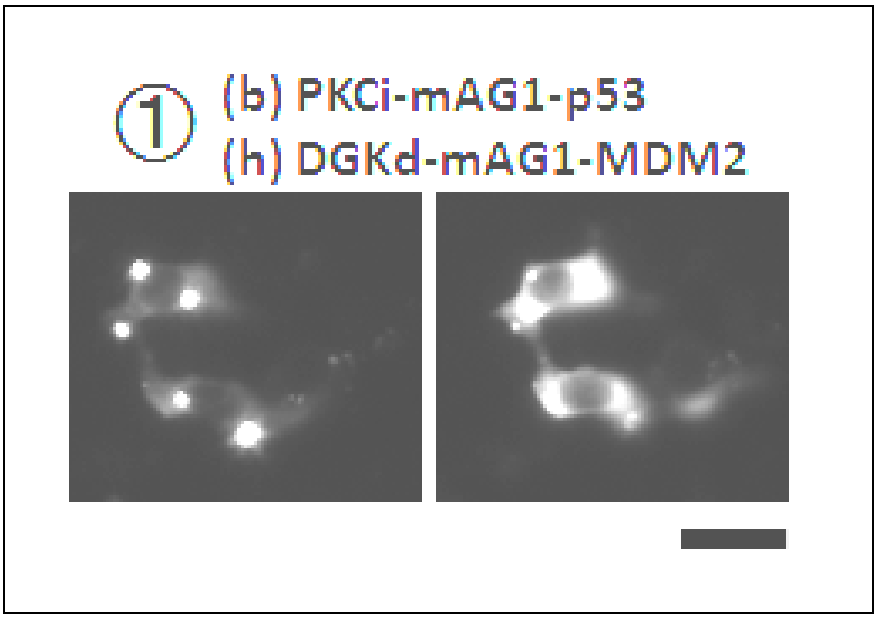

①
(b) PKCi-mAG1-p53
(h) DGKd-mAG1-MDM2

Fig. 38

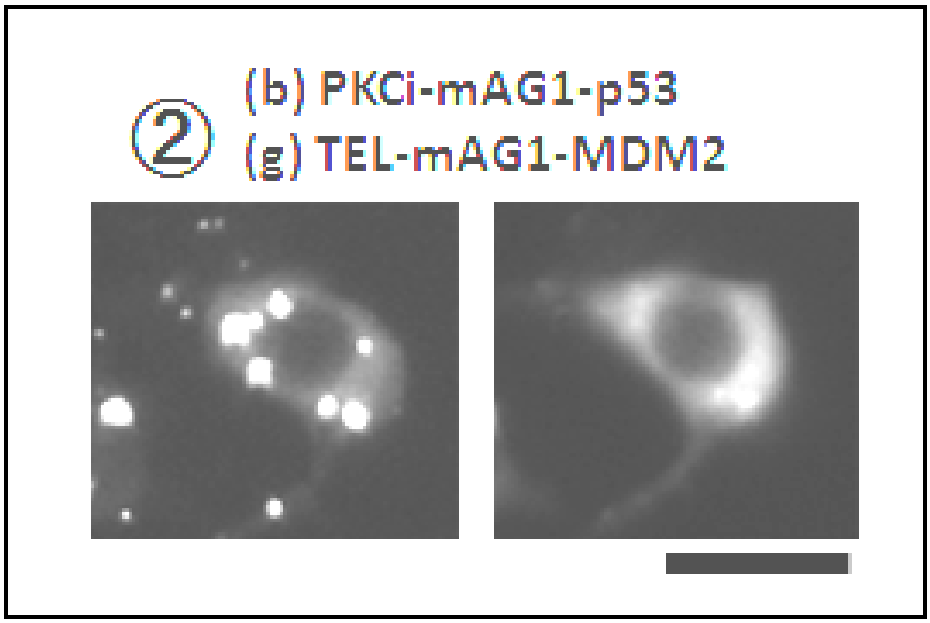

②
(b) PKCi-mAG1-p53
(g) TEL-mAG1-MDM2

Fig. 39

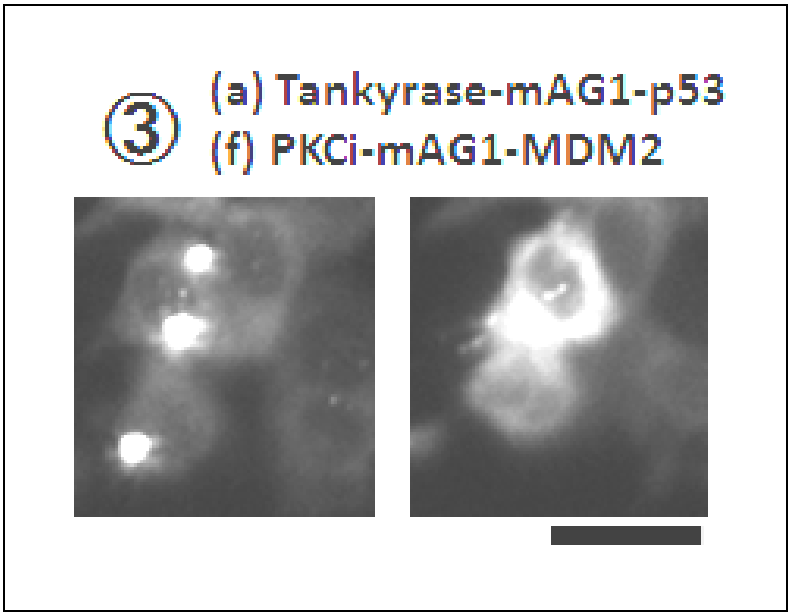

③
(a) Tankyrase-mAG1-p53
(f) PKCi-mAG1-MDM2

Fig. 40

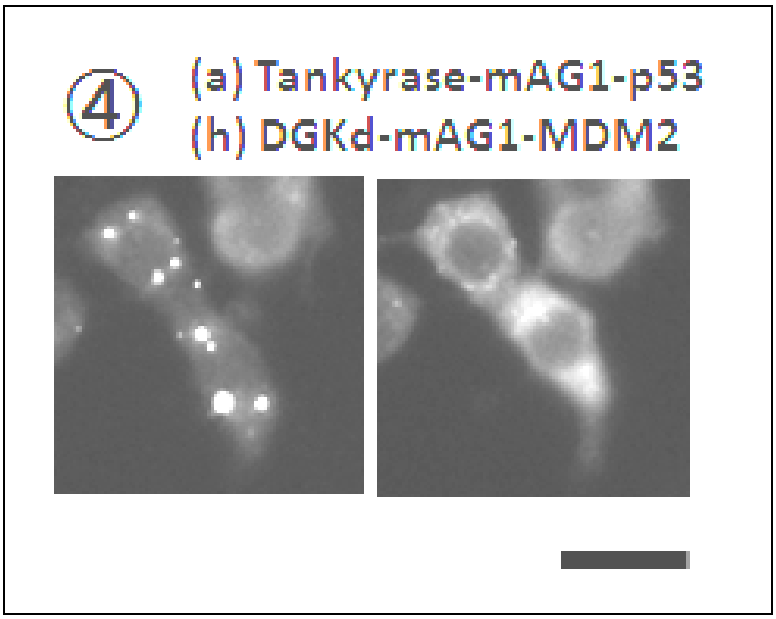

④
(a) Tankyrase-mAG1-p53
(h) DGKd-mAG1-MDM2

Fig. 41

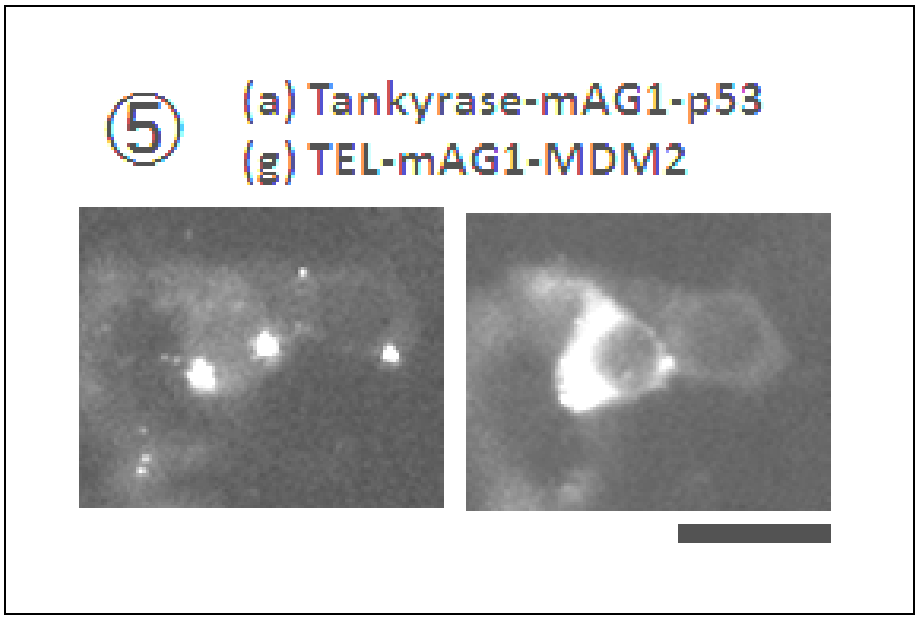

⑤
(a) Tankyrase-mAG1-p53
(g) TEL-mAG1-MDM2

Fig. 42

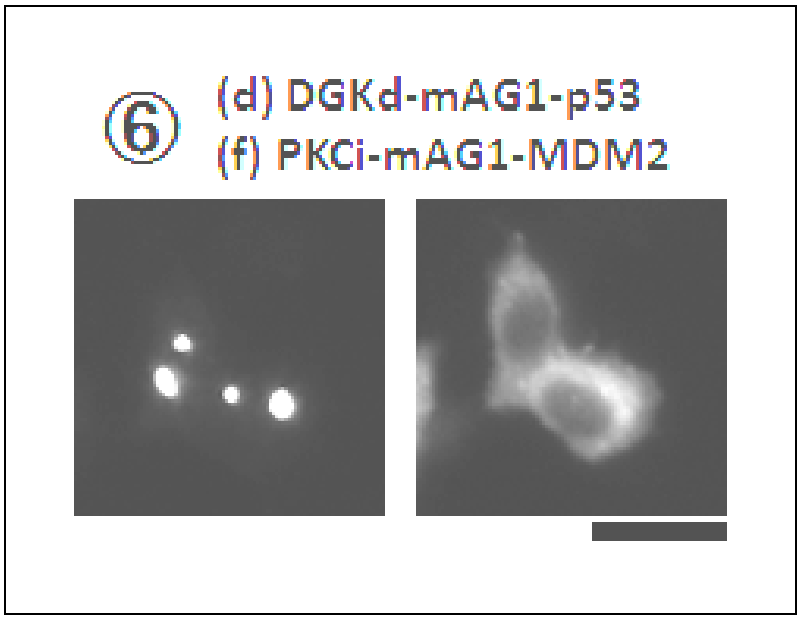

⑥
(d) DGKd-mAG1-p53
(f) PKCi-mAG1-MDM2

Fig. 43

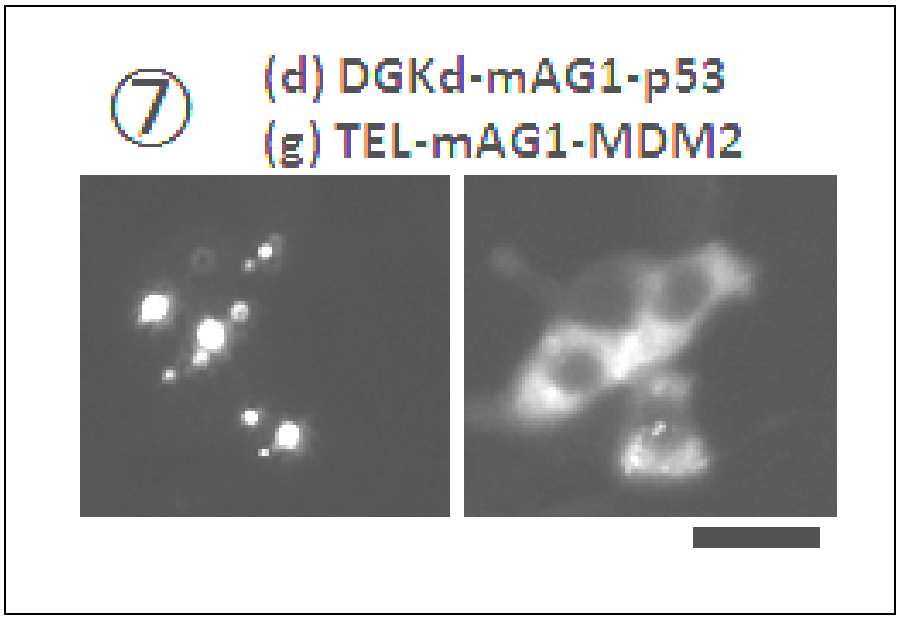
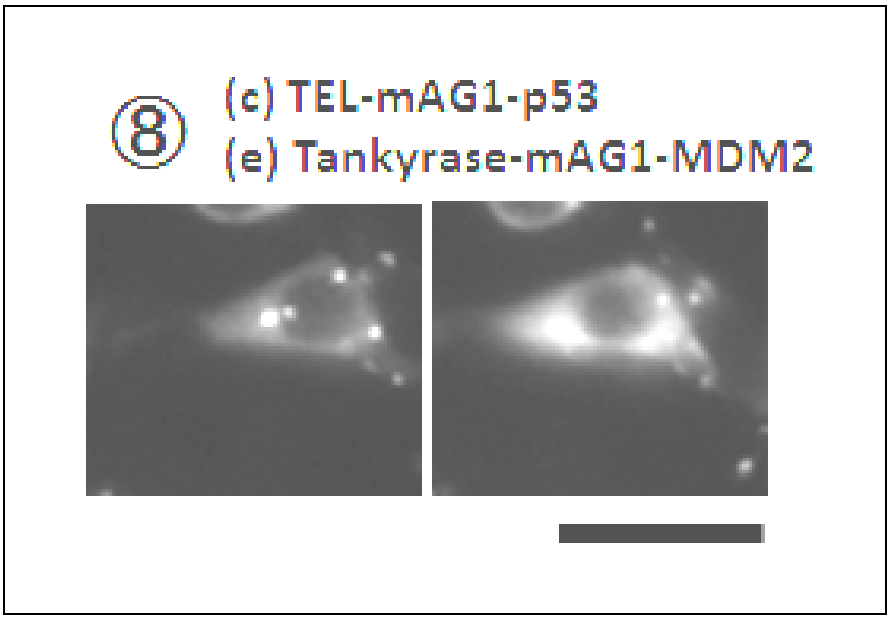

⑦
(d) DGKd-mAG1-p53
(g) TEL-mAG1-MDM2

Fig. 44


⑧
(c) TEL-mAG1-p53
(e) Tankyrase-mAG1-MDM2

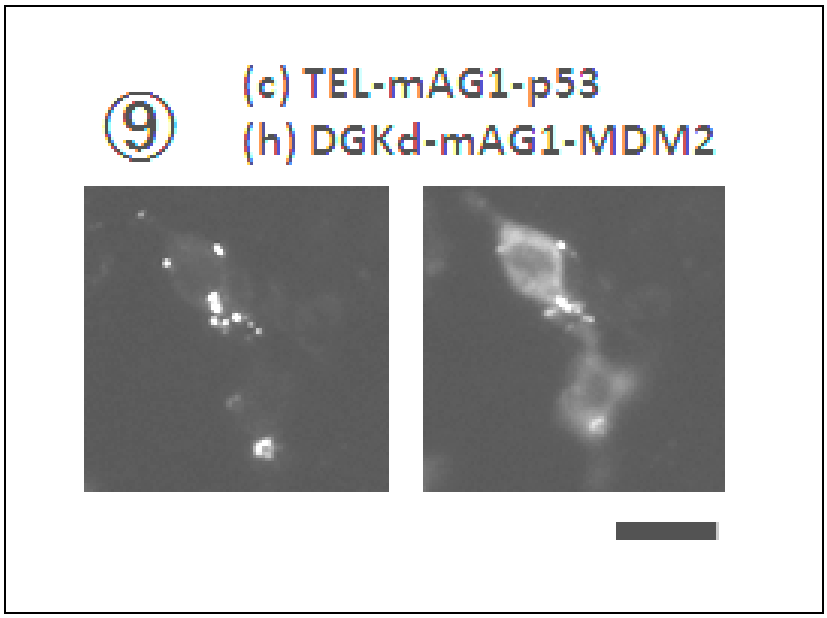



Fig. 45