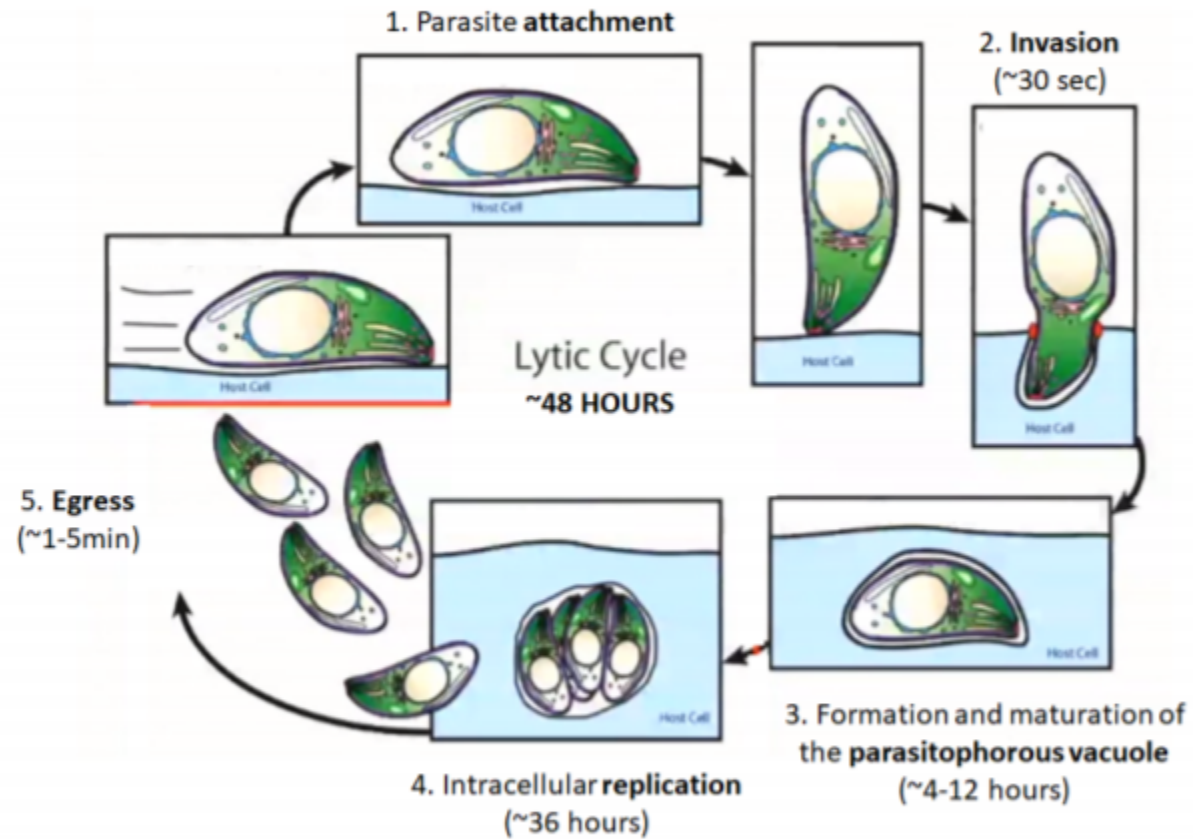




Module 1 summary

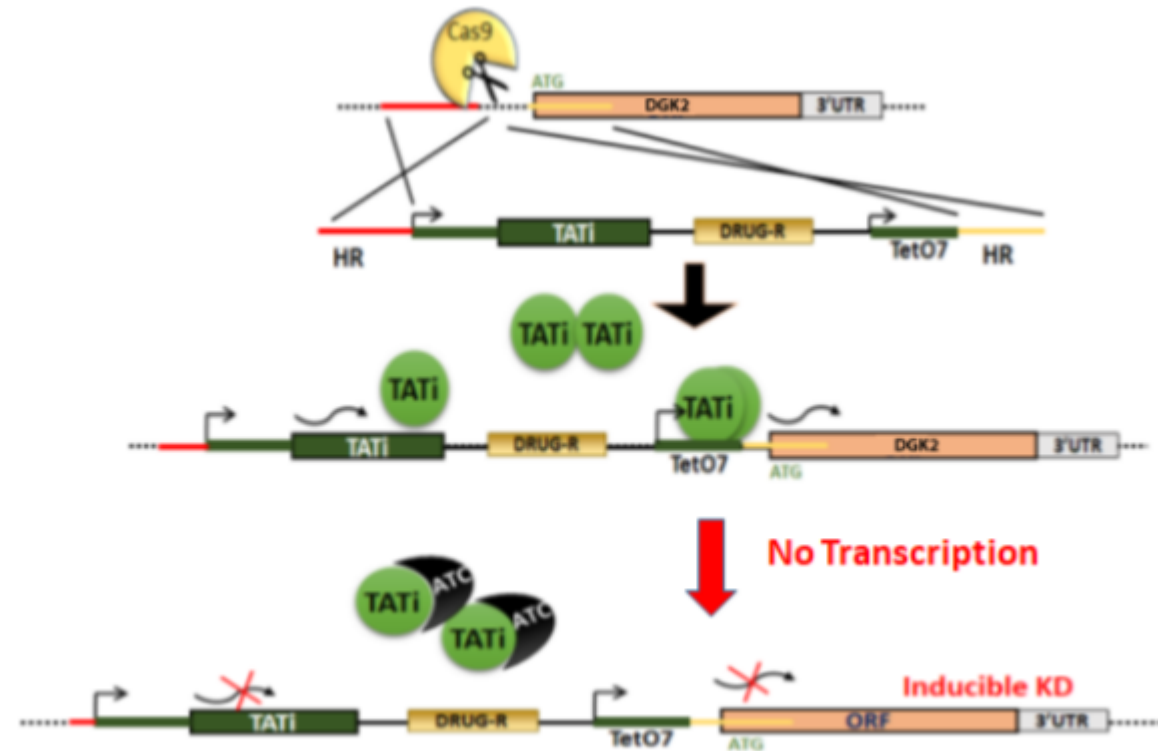
DGK2 team

Introduction – DGK2

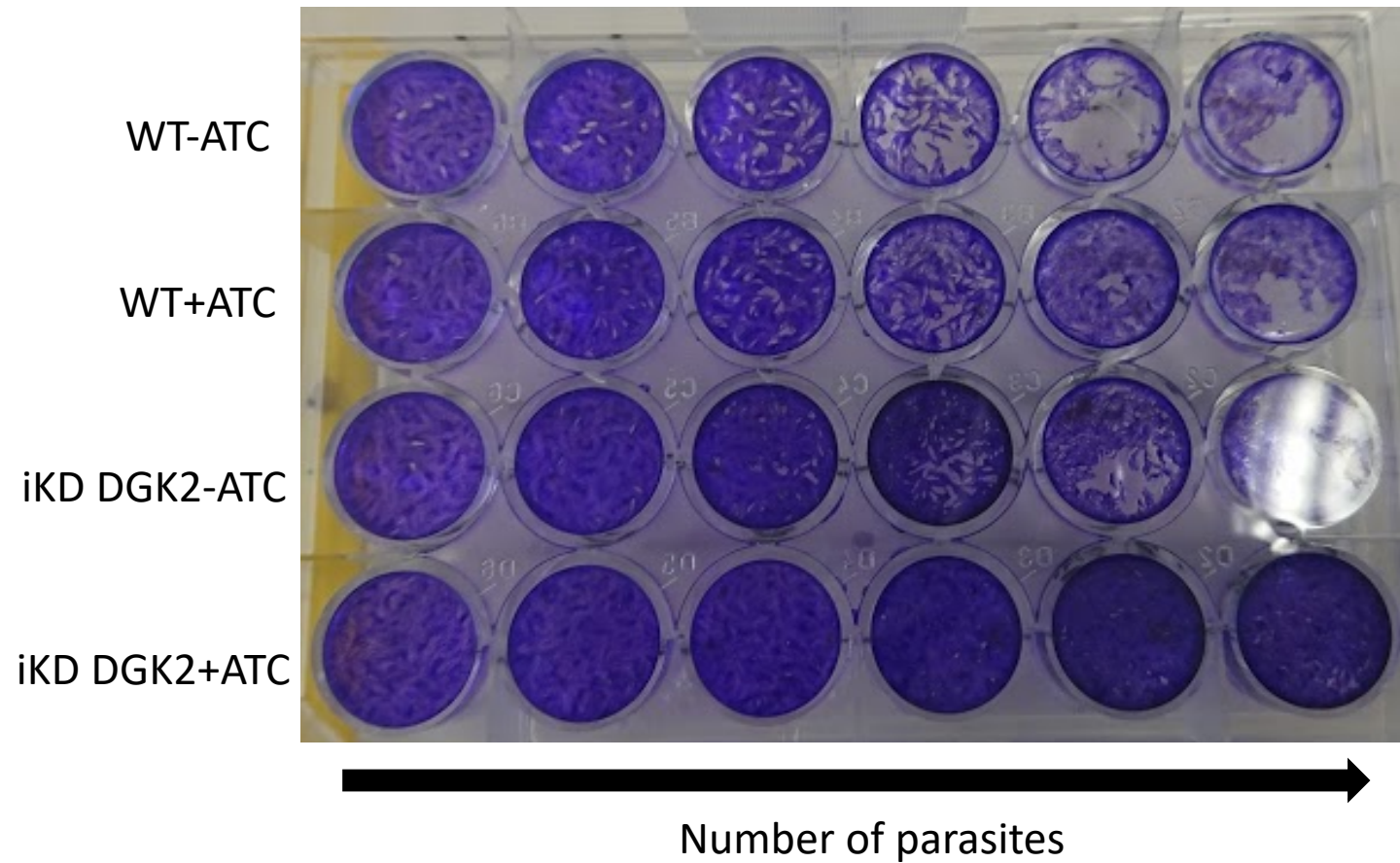


<https://wehi.edu.au>

Introduction – DGK2



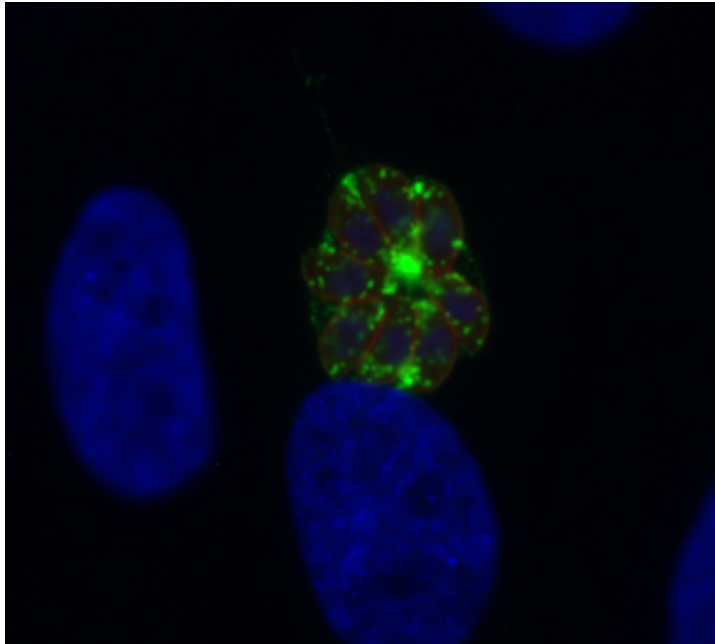
Plaque assay



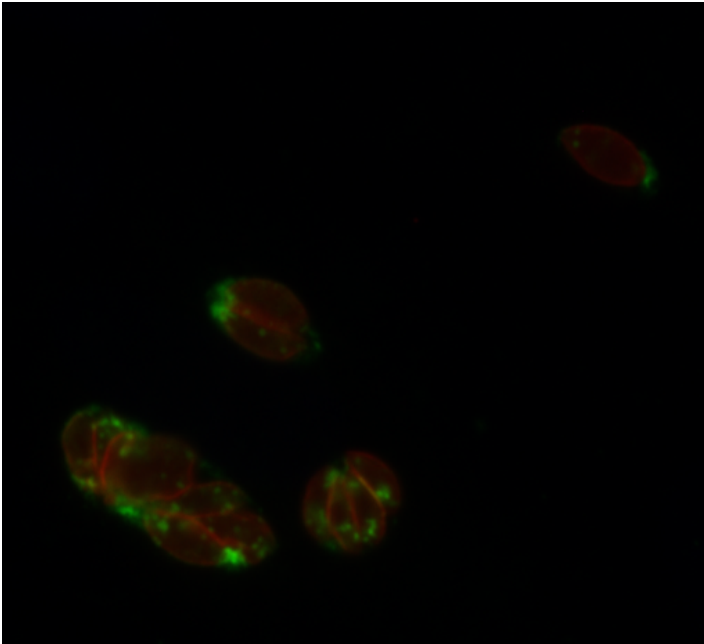
A reduction in the number of plaques is observed in the KD of DGK2 with ATC treatment

IFA – DGK2 localization

DGK2/ GAP45/ DAPI

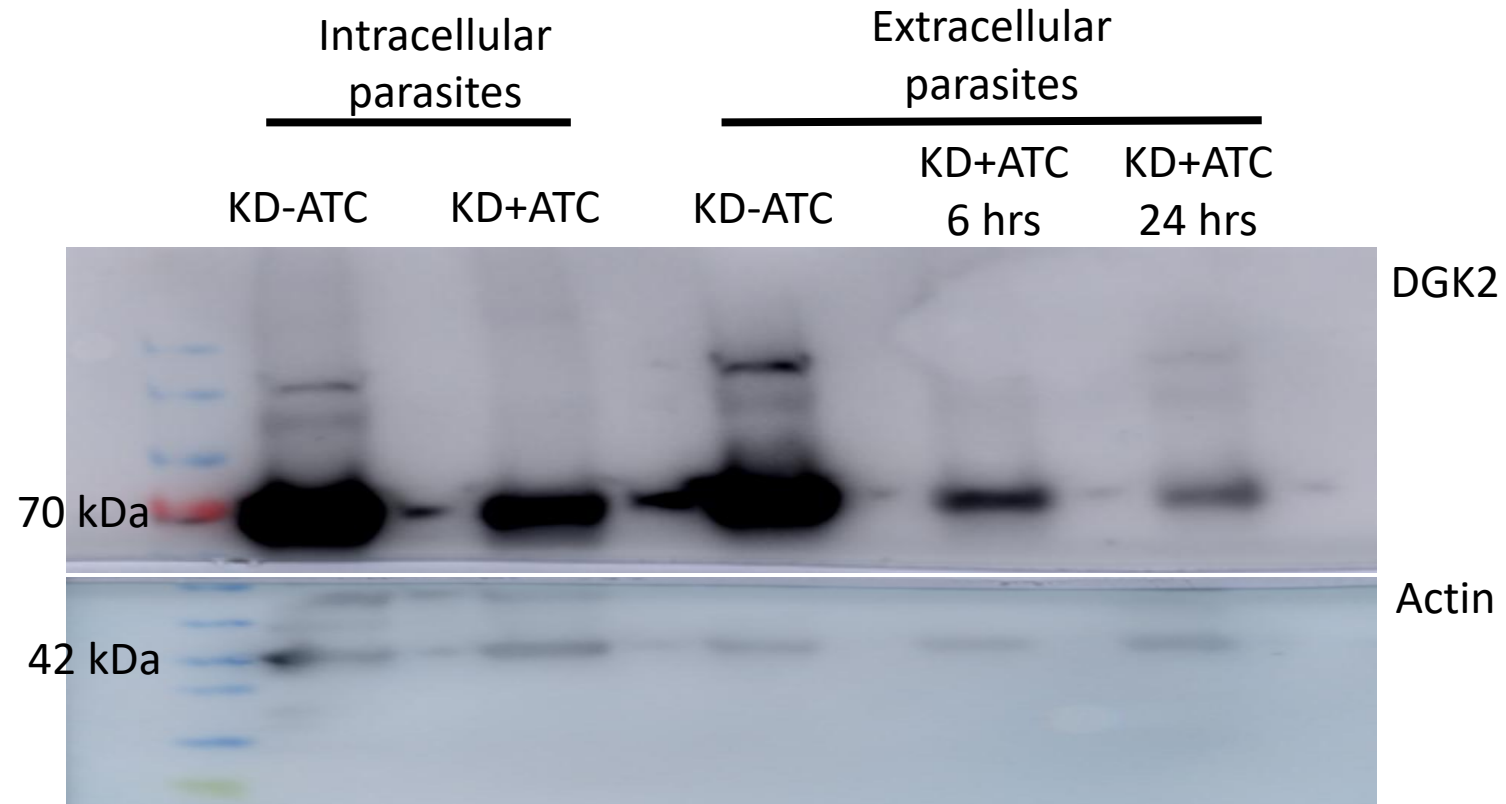


DGK2/ GAP45



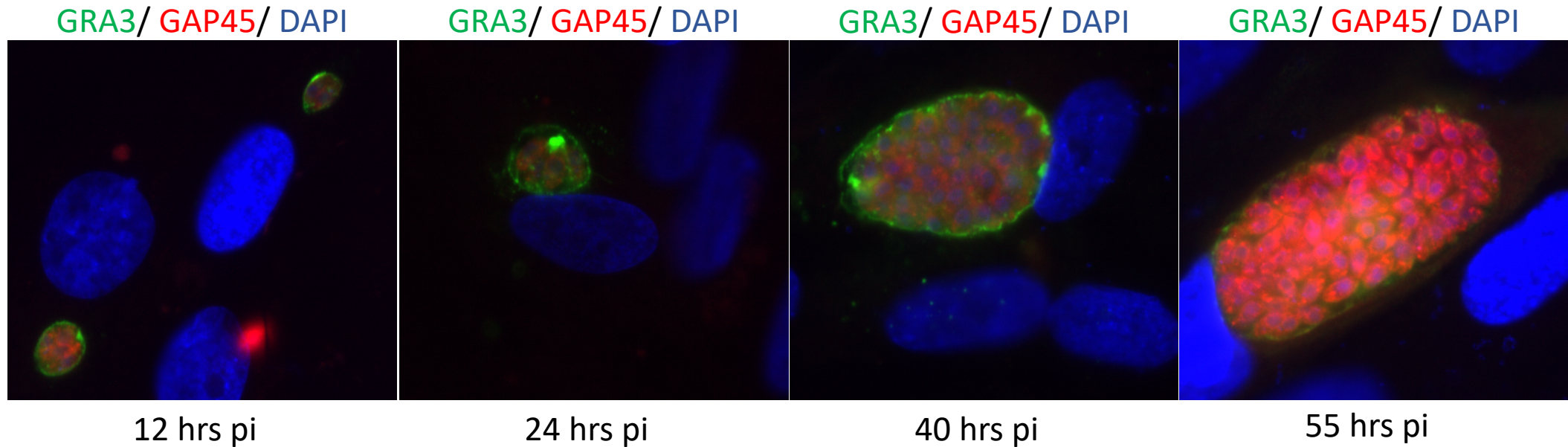
DGK2 localizes to the dense granule and the parasitophorous vacuole

Western blot – DGK2



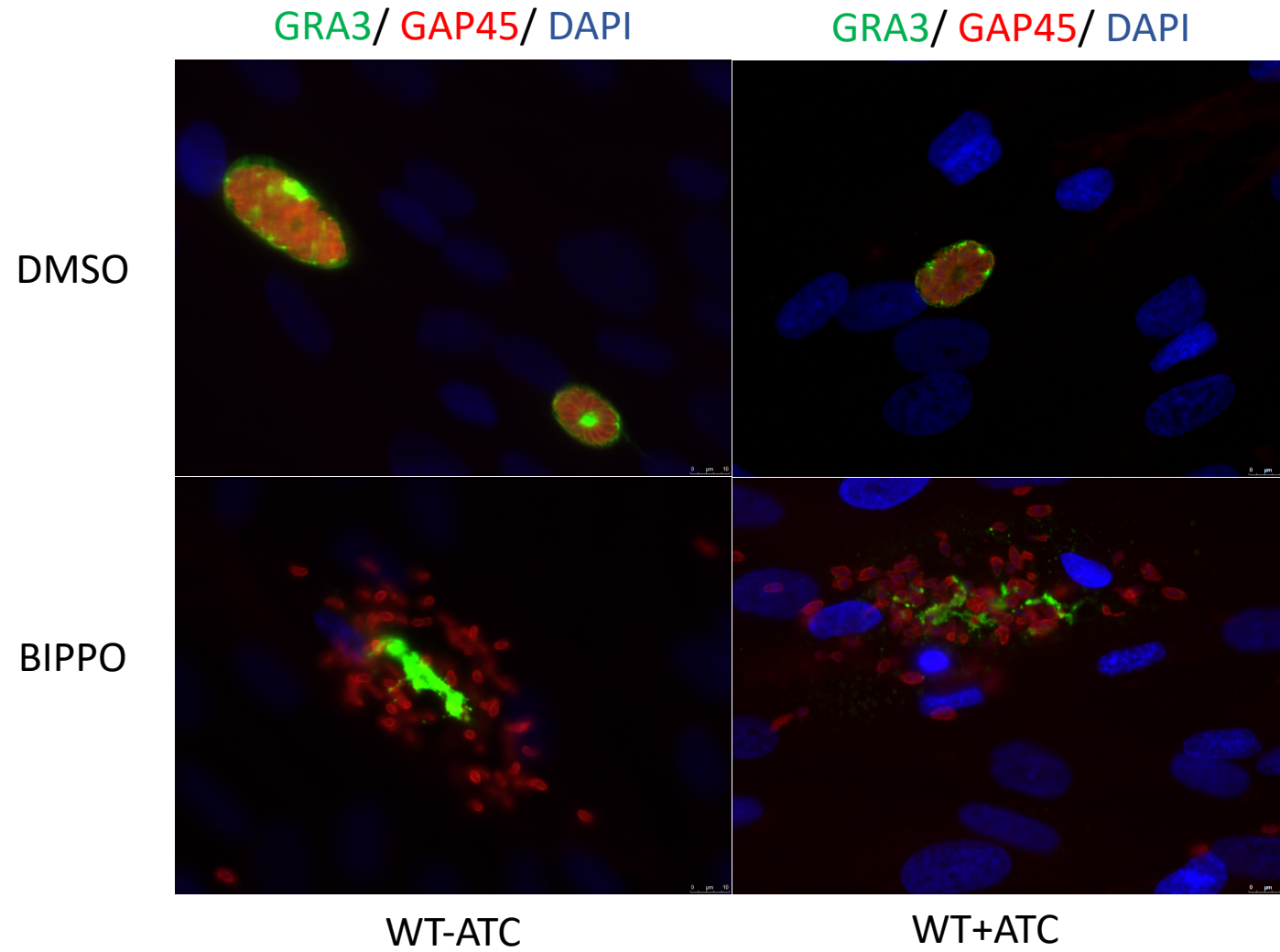
A significant decrease in the amount of DGK2 after 24 hrs treatment with ATC

IFA – effect of DGK2 KD

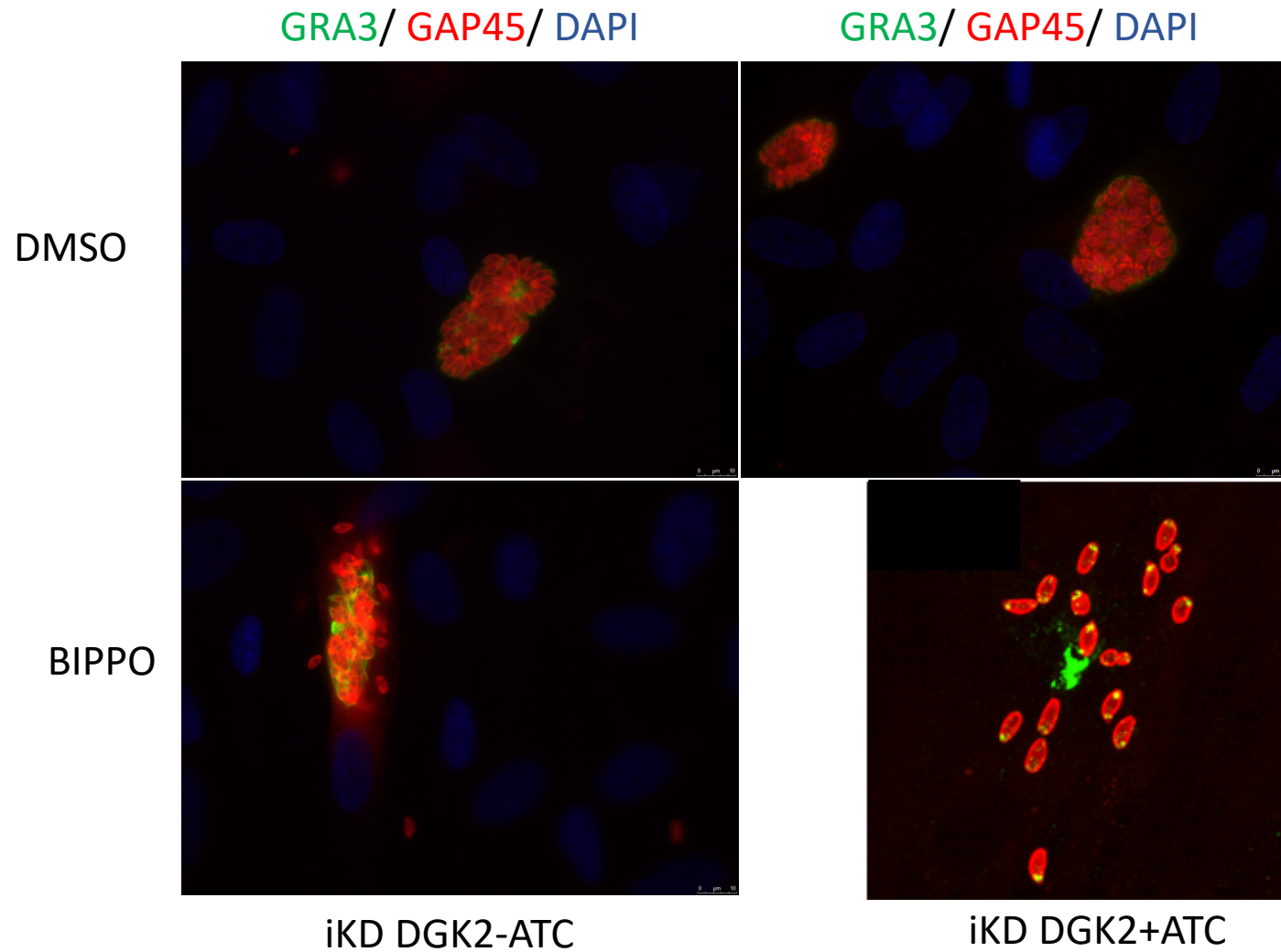


No egress is observed after 55 hrs in the lack of DGK2

IFA

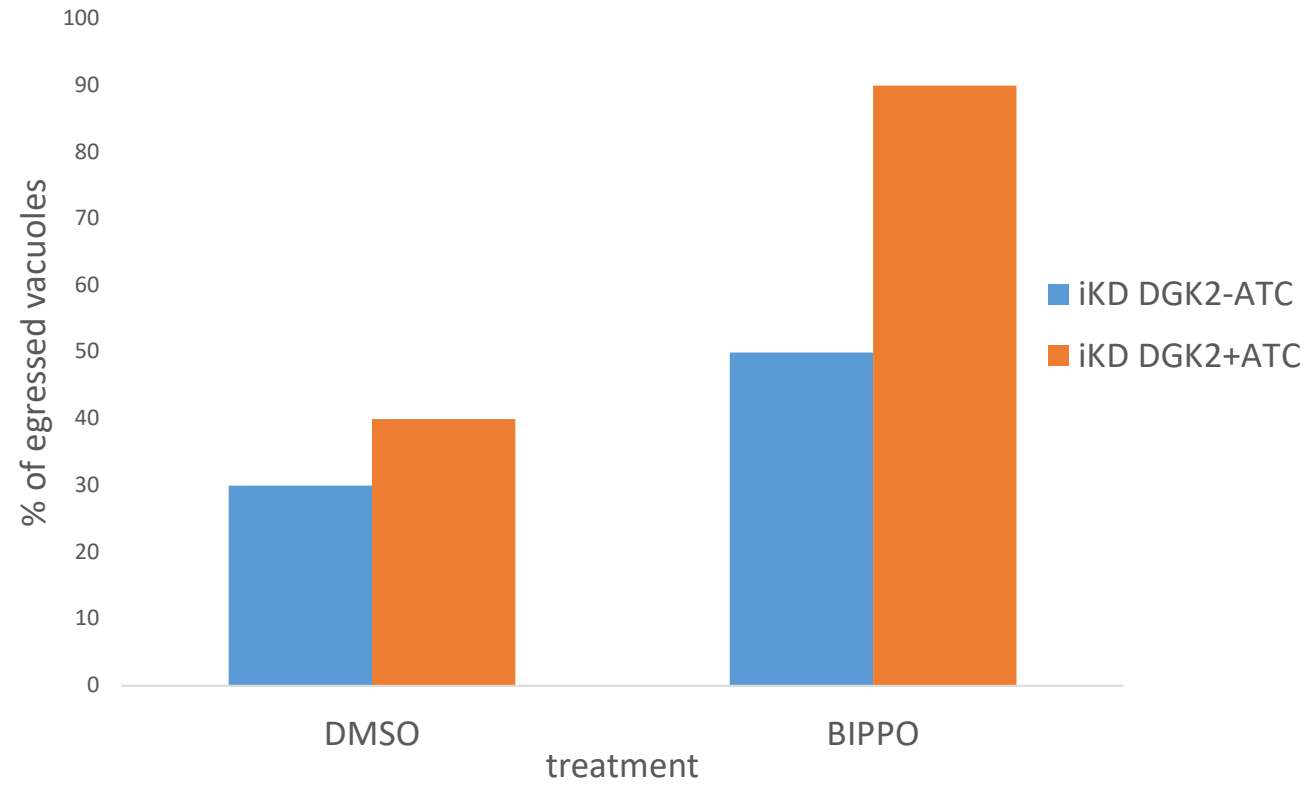


IFA



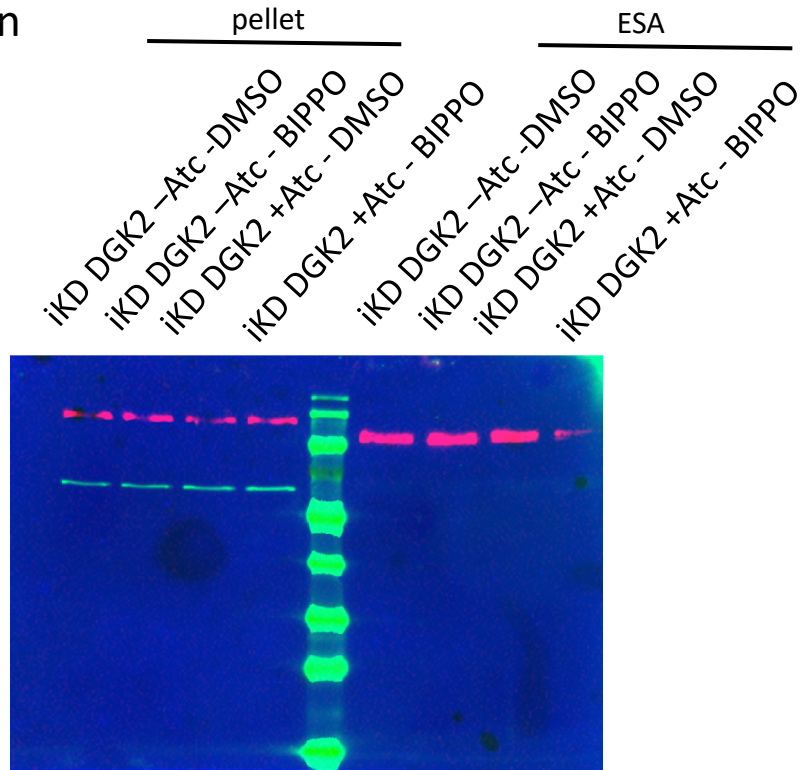
BIPPO eliminates the need for DGK2

IFA

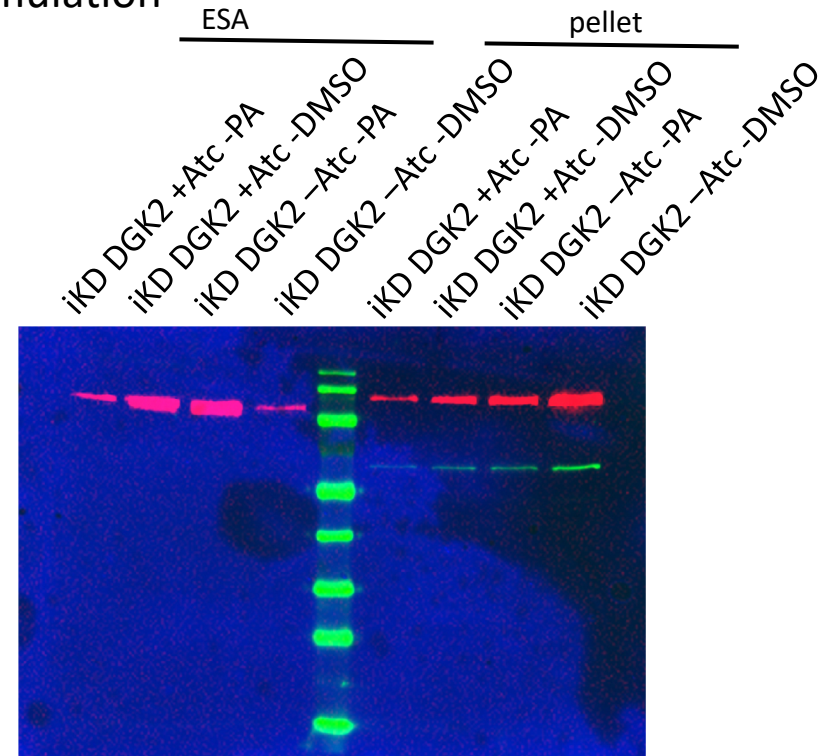


Western blot – microneme secretion

BIPPO stimulation

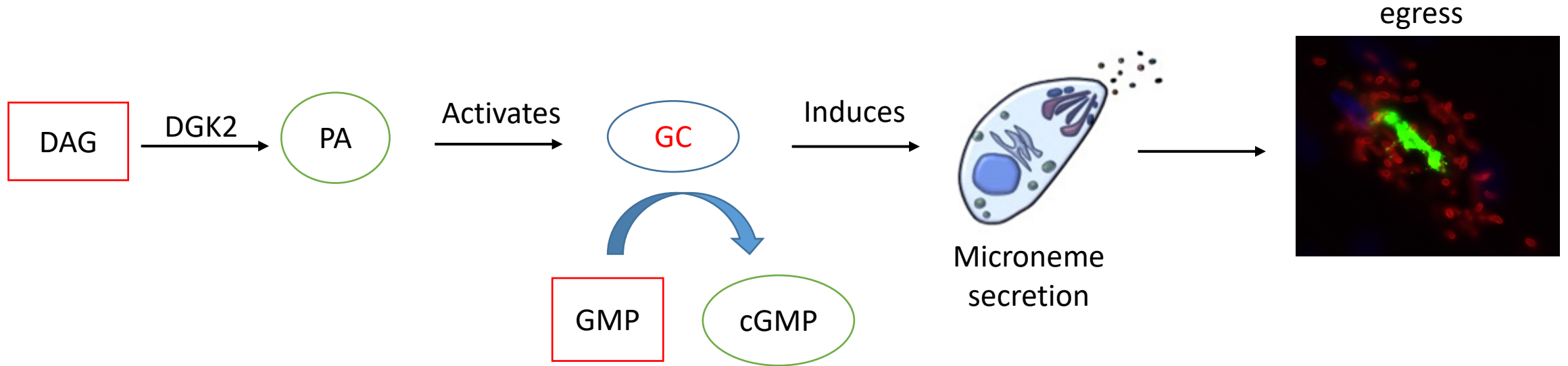


PA stimulation



DGK2 is not necessary in the presence of BIPPO or PA for egress

The proposed model



Danke

