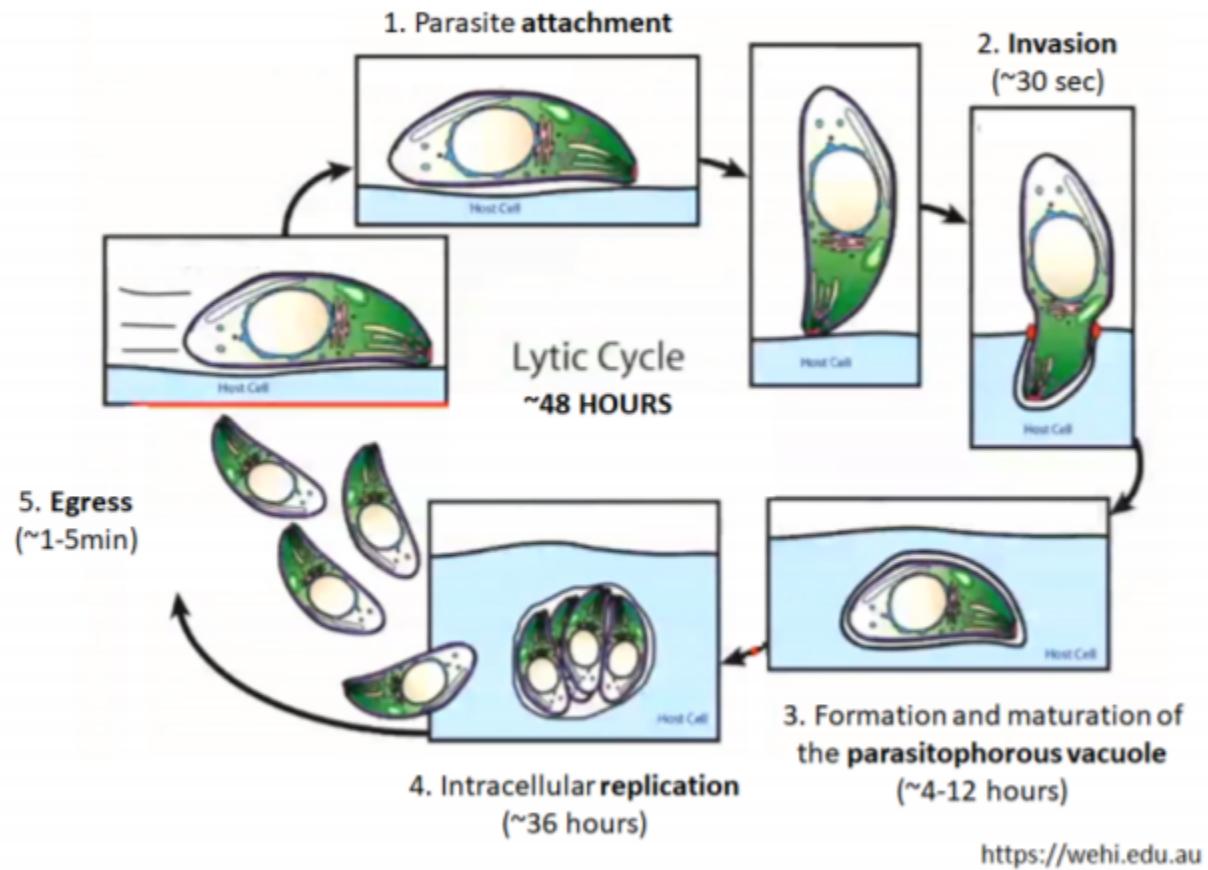




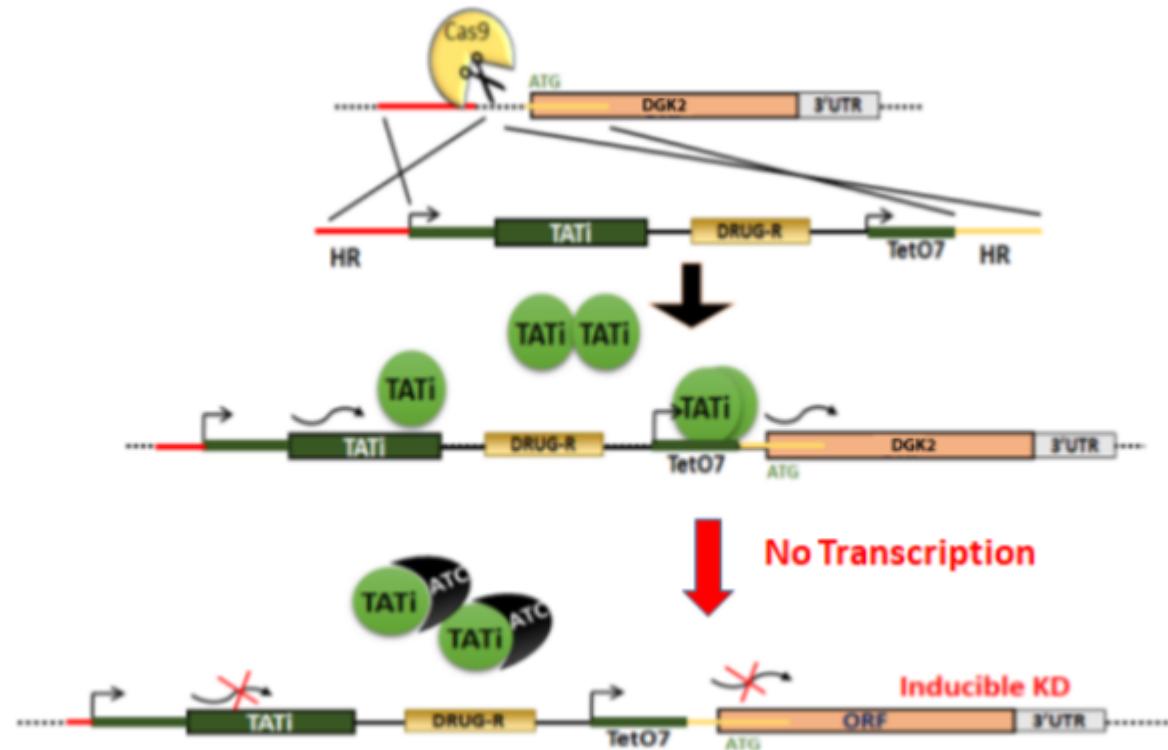
Module 1 summary

DGK2 team

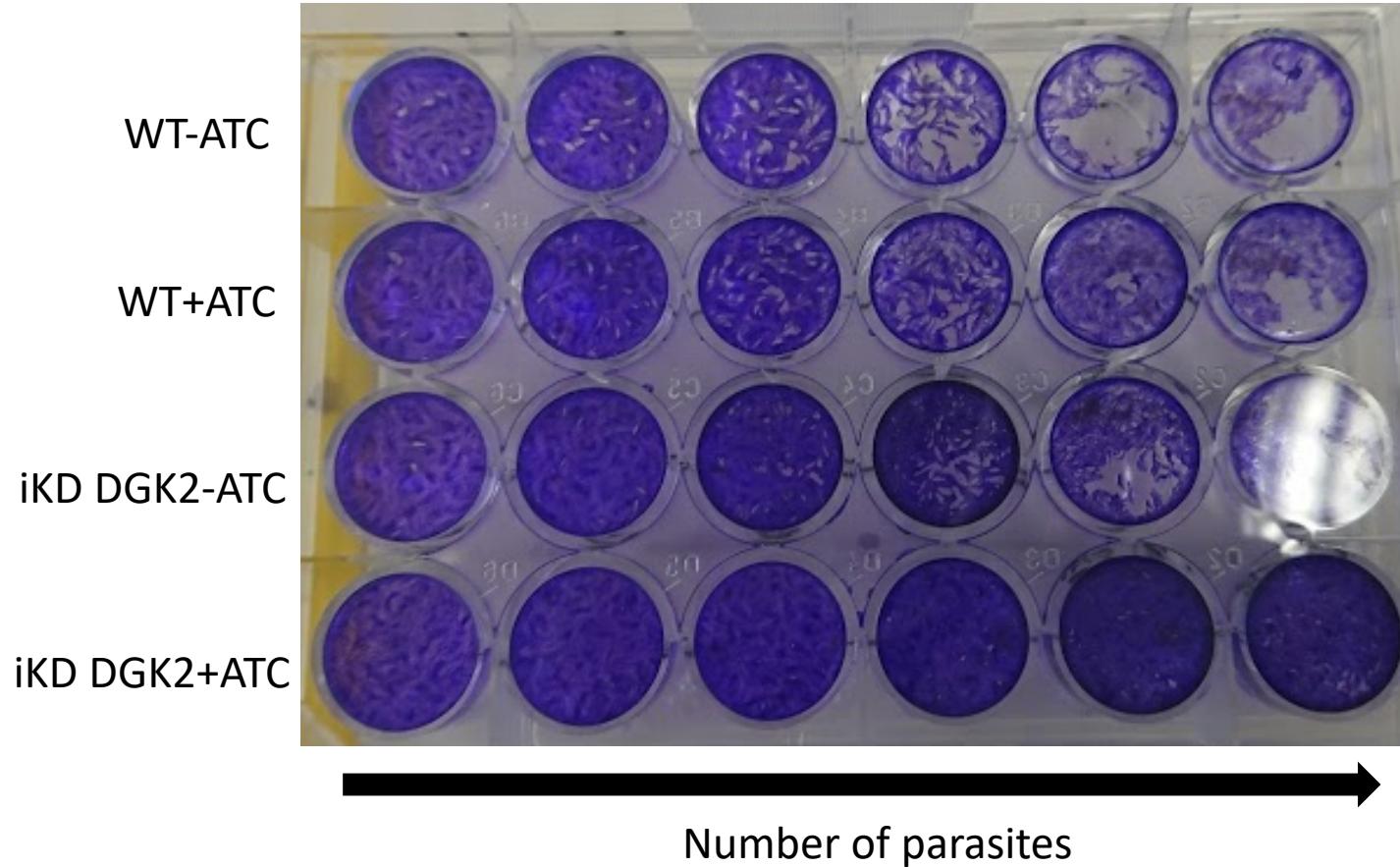
Introduction – DGK2



Introduction – DGK2

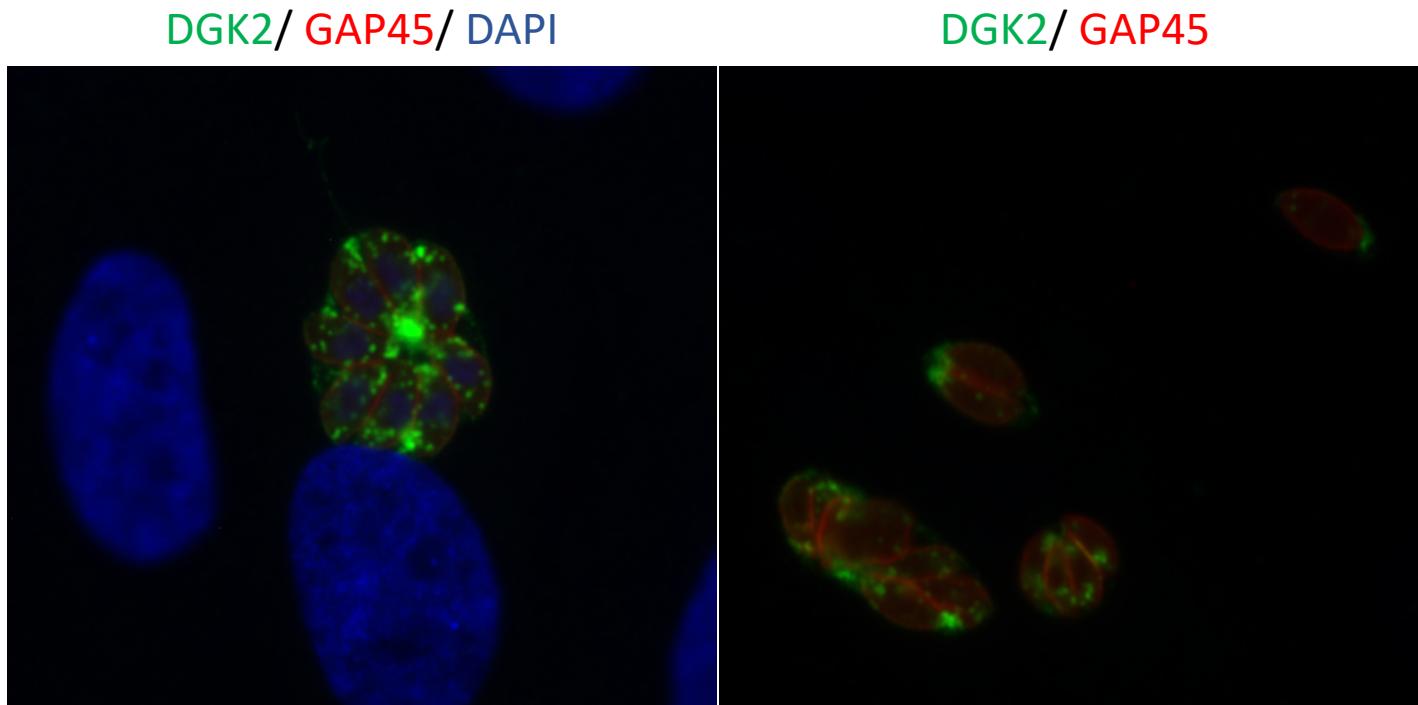


Plaque assay



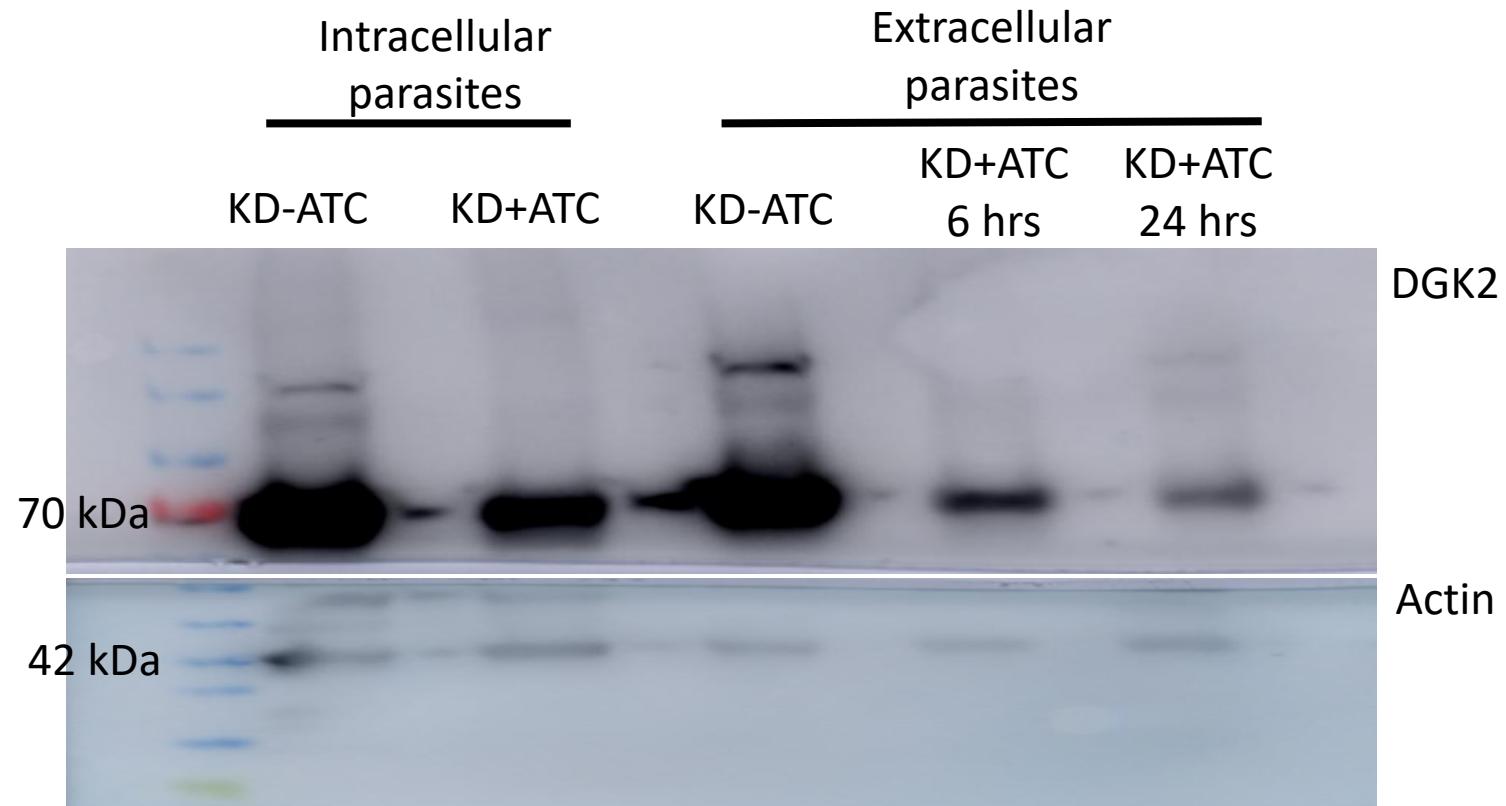
A reduction in the number of plaques is observed in the KD of DGK2 with ATC treatment

IFA – DGK2 localization



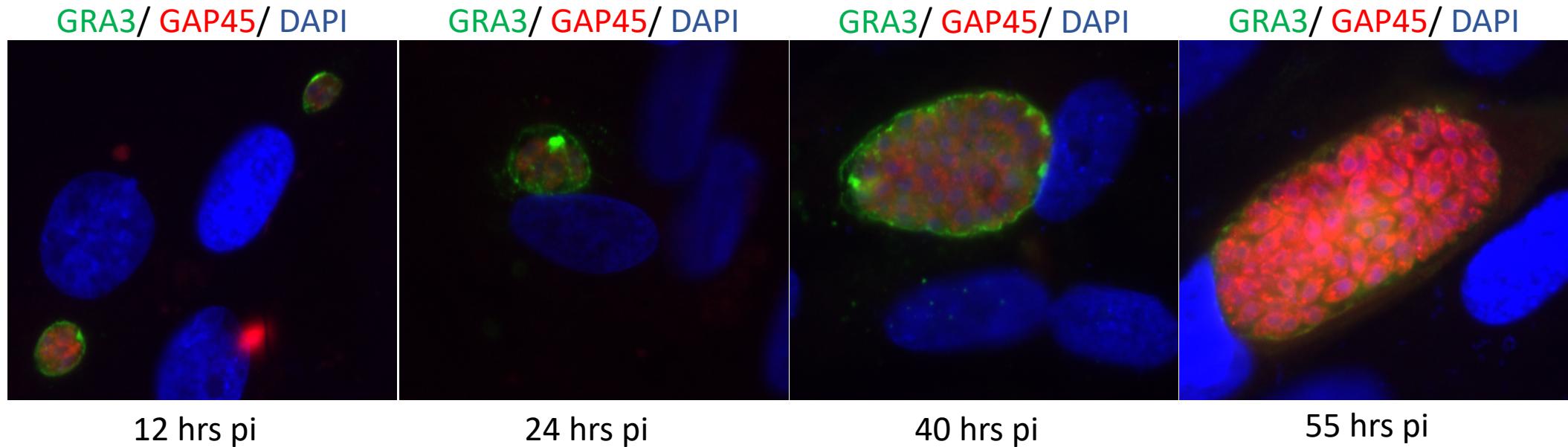
DGK2 localizes to the dense granule and the parasitophorus vacuole

Western blot – DGK2



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

IFA – effect of DGK2 KD

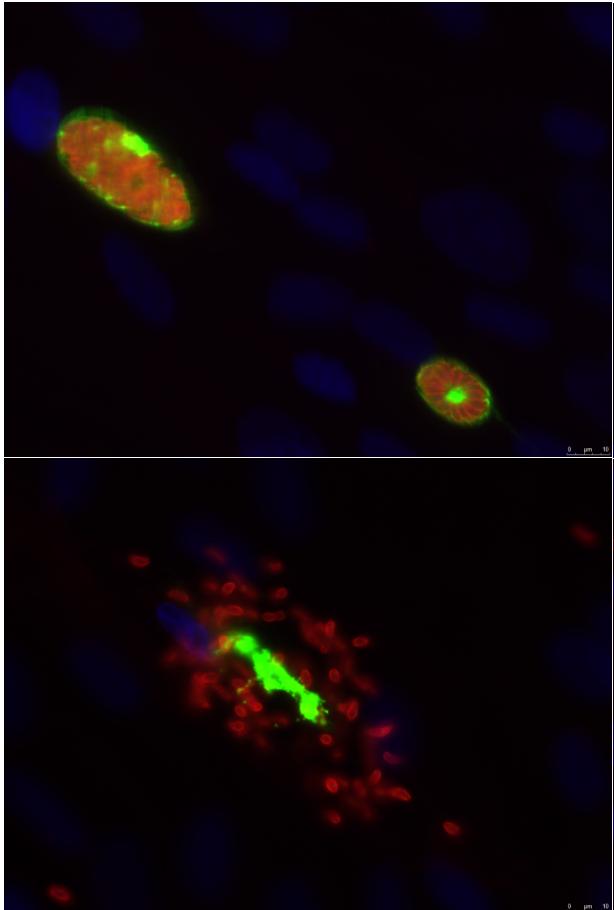


No egress is observed after 55 hrs in the lack of DGK2

IFA

GRA3/ GAP45/ DAPI

DMSO

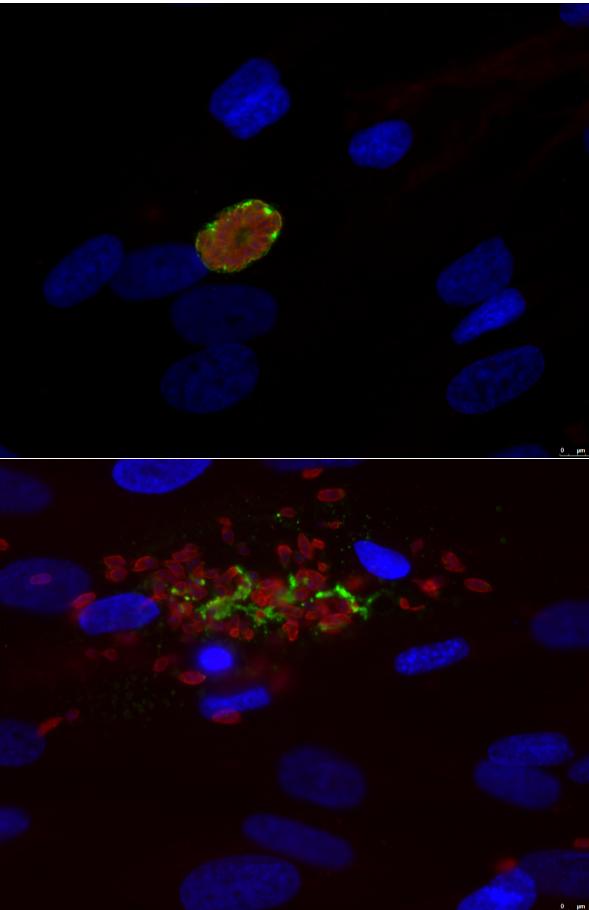


BIPPO

WT-ATC

GRA3/ GAP45/ DAPI

WT+ATC

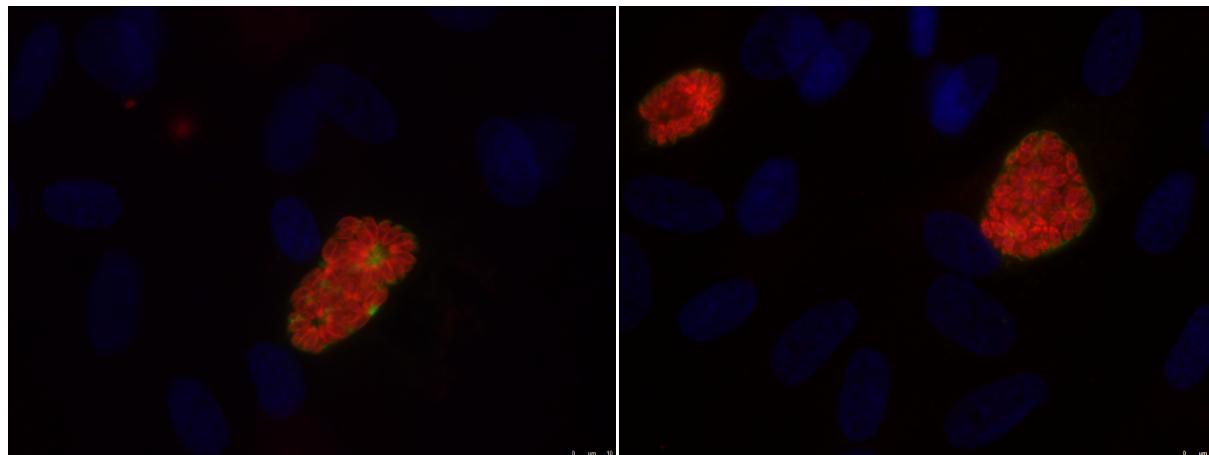


IFA

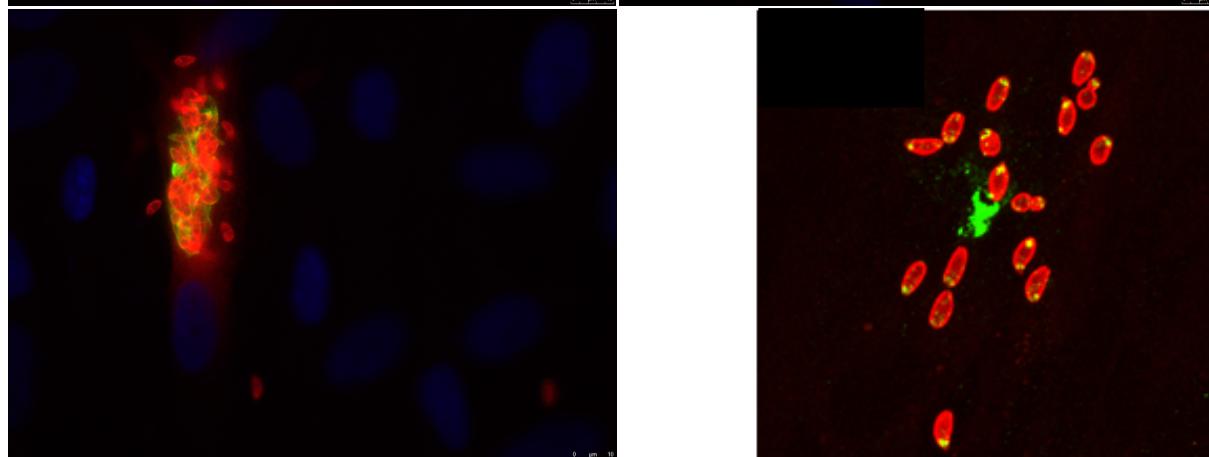
GRA3/ GAP45/ DAPI

GRA3/ GAP45/ DAPI

DMSO



BIPPO

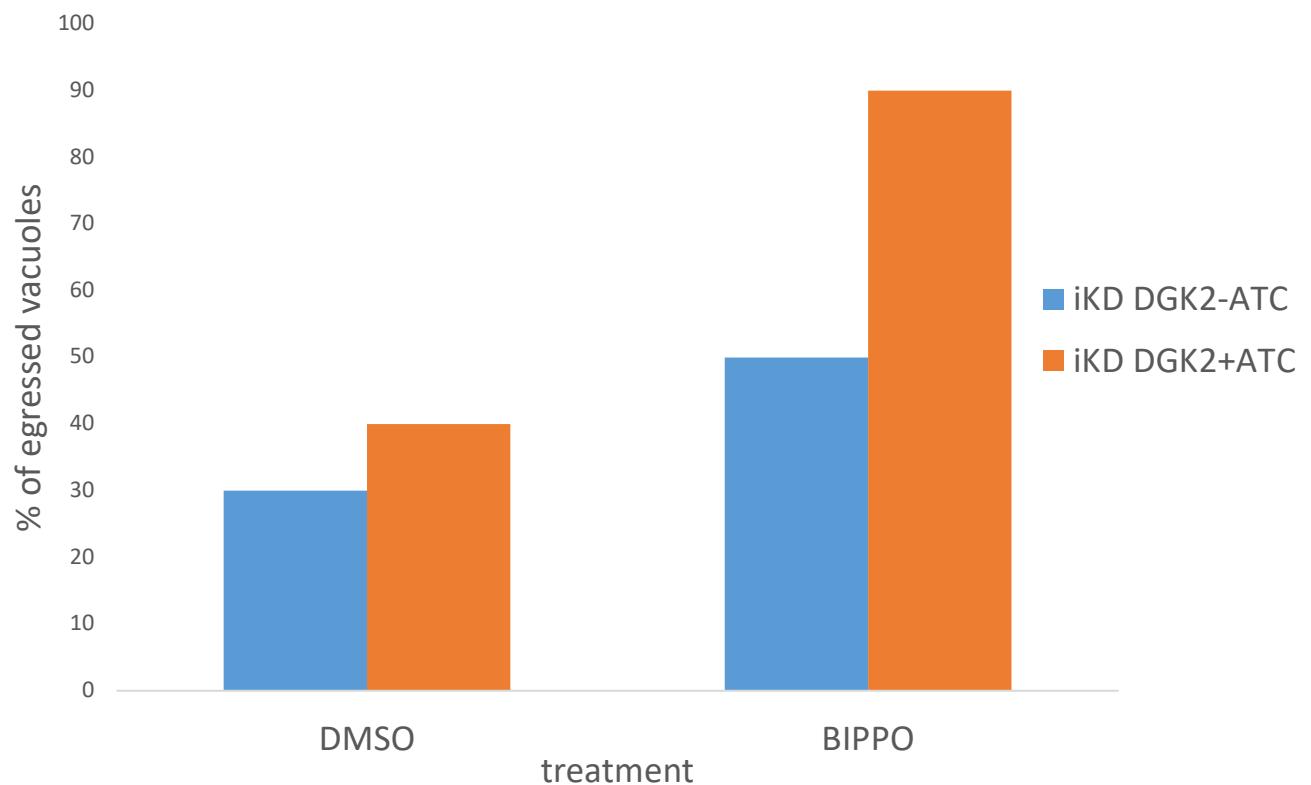


iKD DGK2-ATC

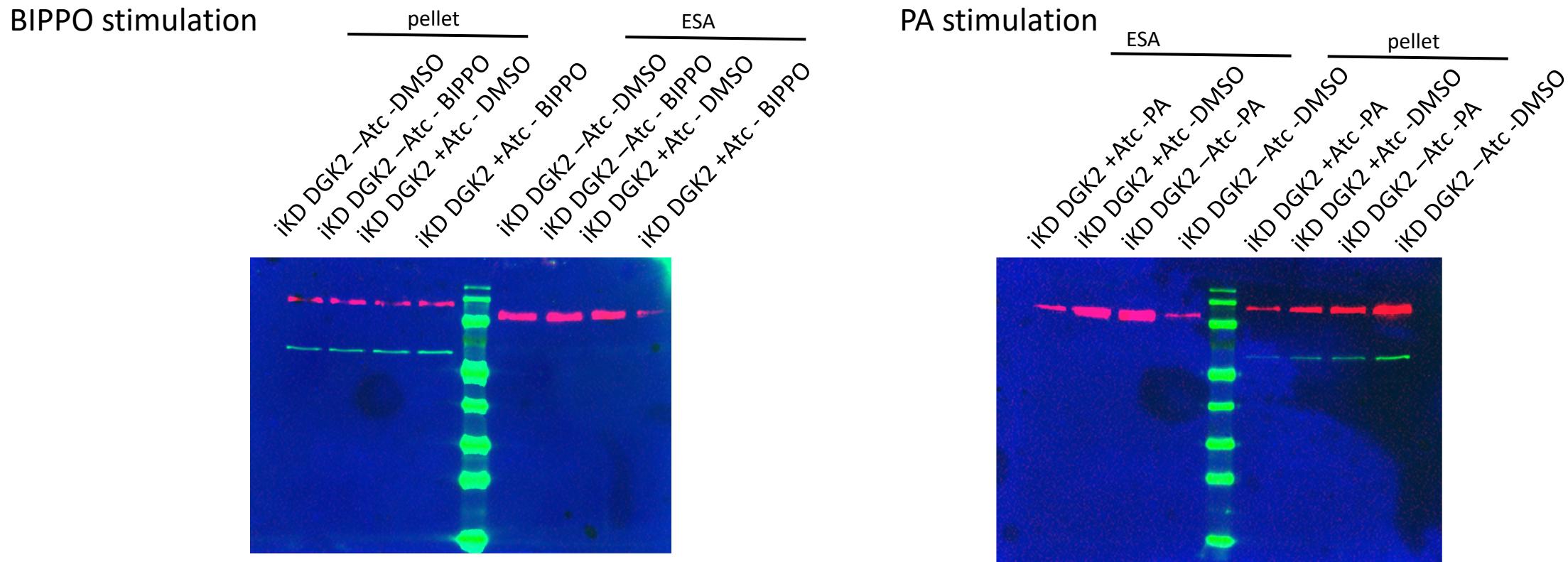
iKD DGK2+ATC

BIPPO eliminates the need for DGK2

IFA

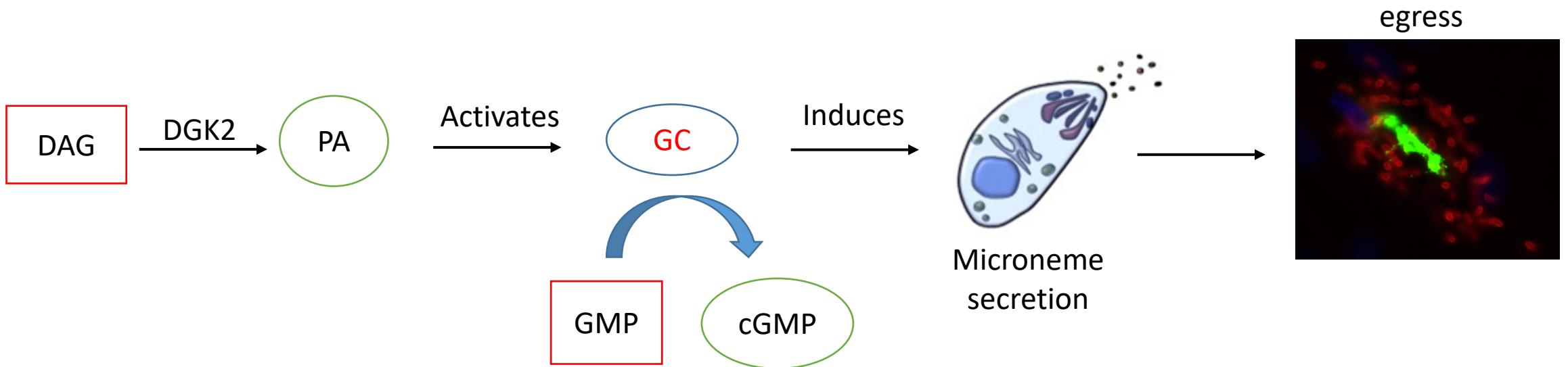


Western blot – microneme secretion



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

The proposed model



Danke

