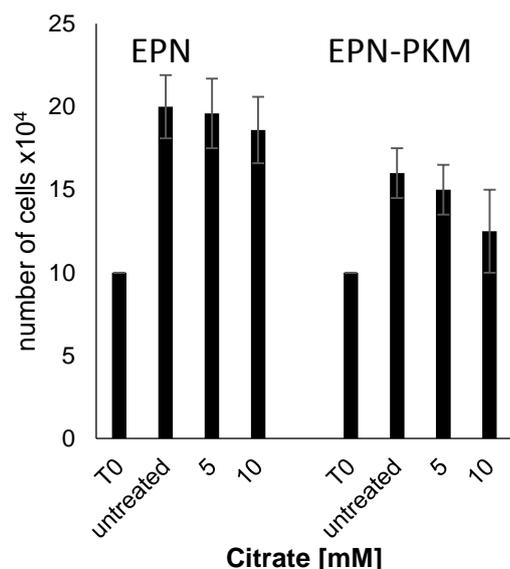
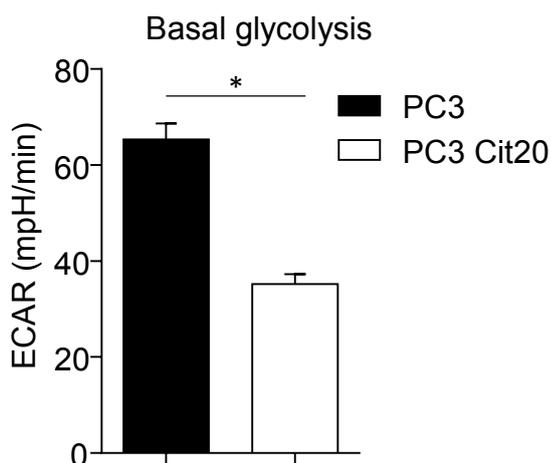


Figure S1

a



b



c

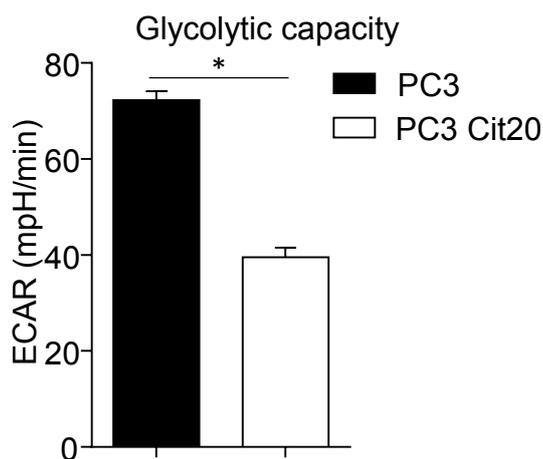


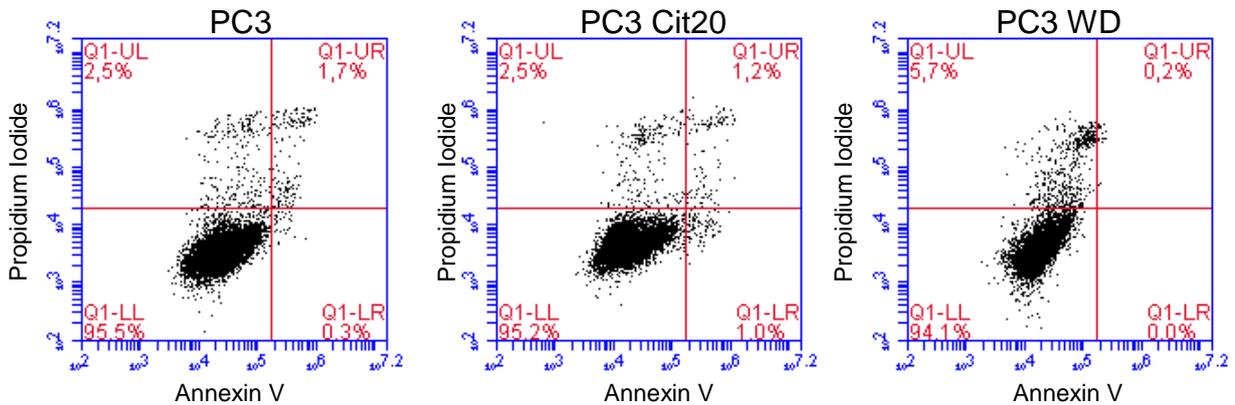
Figure S1. Analysis of citrate treatment on proliferation of EPN and EPN-PKM cells and on the metabolism of PC3 and PC3 Cit20 cells.

(a) Citrate 5 mM and 10 mM was added to culture medium of EPN and EPN-PKM cells at time of seeding and cell were counted after 48 hrs. Cell number was determined in a Neubauer hemocytometer. Data are mean \pm SD of a representative experiment performed in triplicate. Note that citrate slightly inhibits the proliferation of EPN-PKM cells, but not of EPN cells.

(b and c) **Basal glycolysis and glycolytic capacity in PC3 cells and PC3 Cit20 cells.** Data are expressed as mean \pm S.E.M. of three measurements, each of them in triplicates, deriving from three independent experiments.

Figure S2

a



b

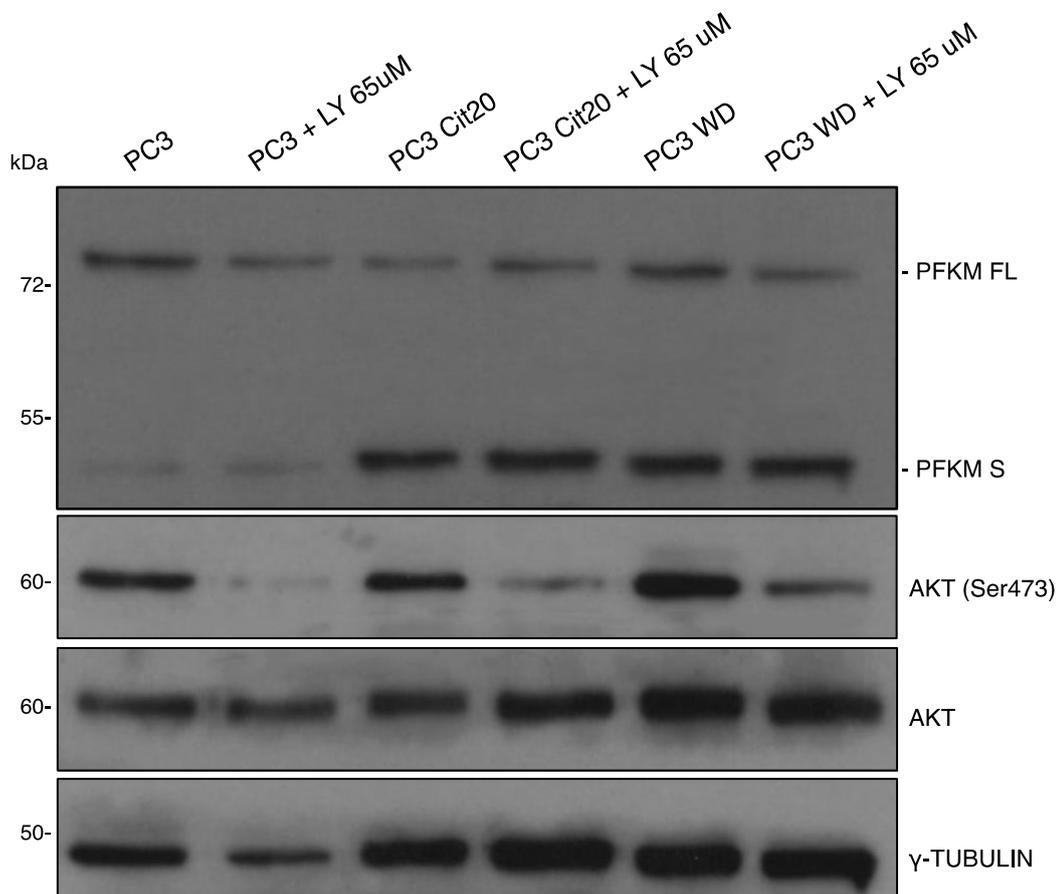


Figure S2. Citrate-resistant PC3 cells do not show sign of apoptosis.

(a) Flow cytometric detection of phosphatidylserine expression on PC3, PC3 Cit20 and PC3 Cit20 WD using fluorescein labelled Annexin V and Propidium iodide.

(b) AKT inhibition does not affect the PFKM proteolysis.

Lysates from PC3, PC3 Cit20 and PC3 Cit20 WD cells treated or not with the selective AKT inhibitor (LY294002) were analyzed by Western blot using the indicated antibodies. γ -tubulin was used as loading control.

Figure S3

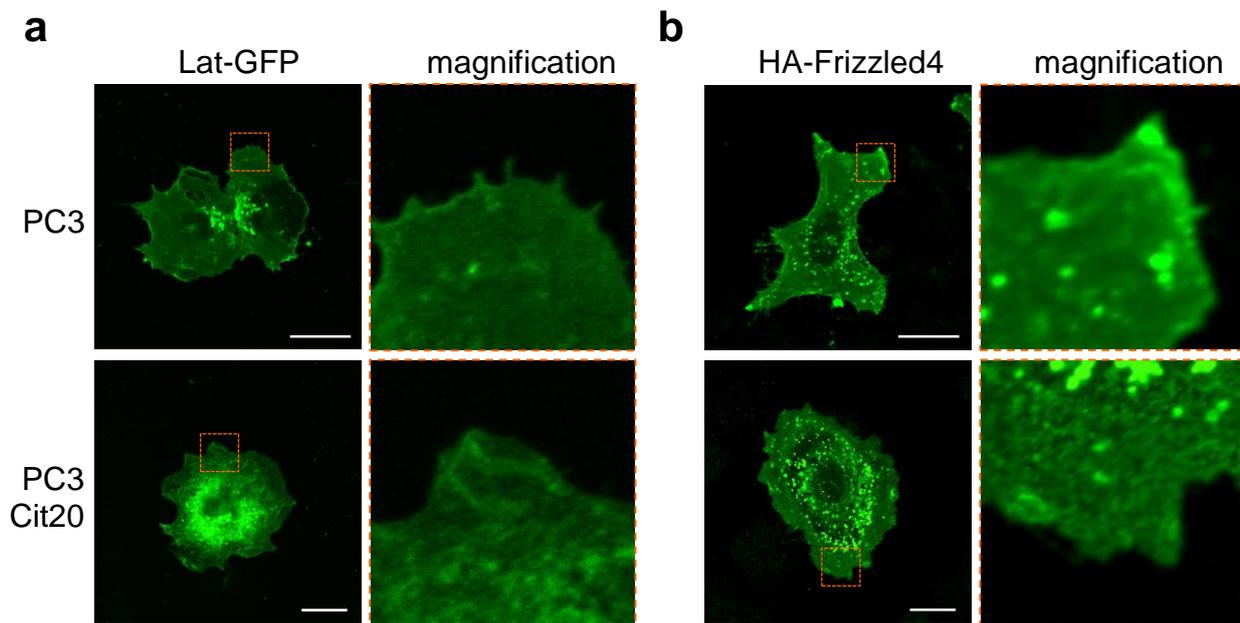


Figure S3. Analysis of plasma membrane-resident reporter proteins in PC3 Cit20 cells.

PC3 and PC3 Cit20 cells were transiently transfected with the indicated reporter proteins (Lat-GFP and HA-Frizzled4). After 24 hours, cells were fixed and protein distributions were analyzed by confocal microscopy. HA-Frizzled4 was detected by using a mouse monoclonal antibody against HA-tag. Single focal sections are shown. Magnifications are shown at the right. Scale bar 10 μm .

Figure S4

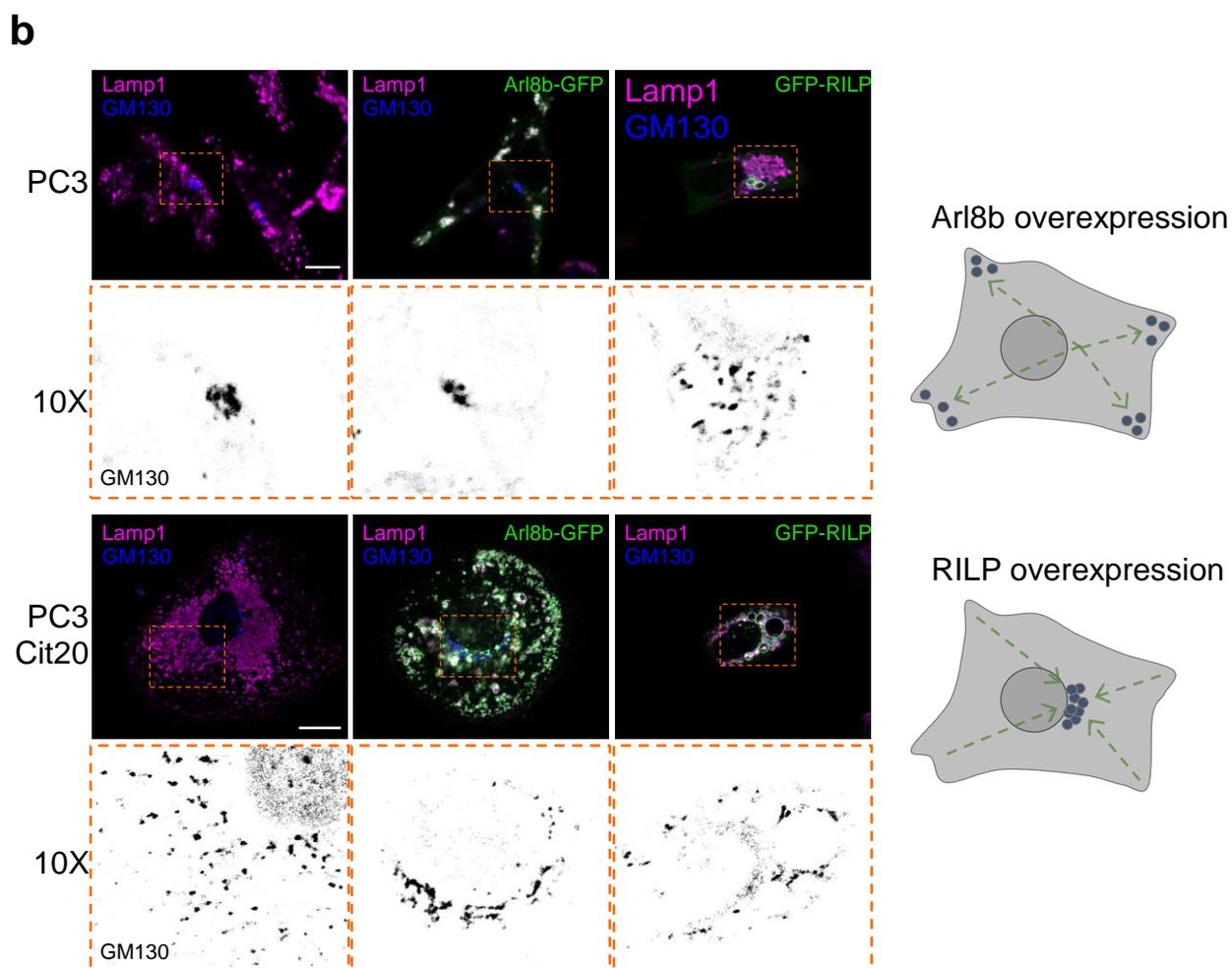
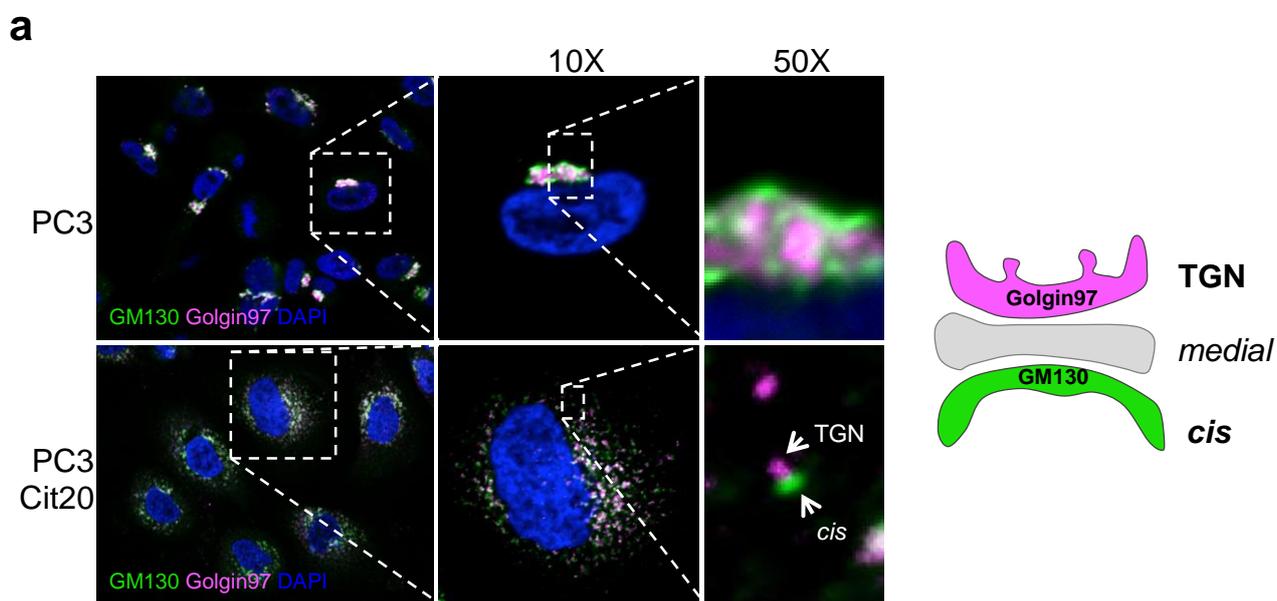


Figure S4. Analysis of Golgi structure in PC3 Cit20 cells.

(a) Golgi morphology and structure were assessed by indirect immunofluorescence by using GM130 and Golgin-97, markers of *cis*- and *trans*-cisternae of Golgi complex, respectively. Magnifications are shown on the right. Arrows indicate the *cis*- and *trans*-Golgi network (TGN) labelled structures. Scale bar 10 μm . (b) PC3 and PC3 Cit20 cells were transiently transfected to exogenously over-express the indicated GFP-tagged proteins (Arl8 and RILP). Lysosomes morphology and positioning as well as Golgi structures were analyzed by indirect immunofluorescence by using the indicated antibodies (Lamp1 marker of lysosomes and GM130 marker of *cis*-Golgi). Single focal sections are shown. Magnifications are shown in black and white format below each respective original picture. Scale bar 10 μm .