## H295R Α В 2.5 2.5 SLC7A2 mRNA/18S rRNA HIF1a mRNA/18S rRNA 2.0 2.0 (fold/basal) (fold/basal) 0.5 0.0 0.0 CUR CUR NAC NAC H295R C CUR 20µM BS NAC 3mM CUR + NAC POSITIVE CONTROL M1 55,25% M1 31.73% M2 47.18% M2 25.10% M2 31.559 M2 26.10% MUC-1 H295R Basal CUR 20µM CUR 20µM Basal D Ε Bodipy/DAPI Bodipy/DAPI NAC + CUR NAC 3mM NAC 3mM NAC + CUR

## Supplementary Figure 1. SLC27A2 upregulation is HIF1 $\alpha$ /ROS dependent

Cells were treated for 48h with curcumin (20µM) and N-Acetyl-L-Cysteine (NAC) (3mM).

- **A, B.** mRNA expression of HIF1 $\alpha$  and SLC27A2 genes in H295R cells. Data were expressed as means  $\pm$  SEM. \*p < 0.05; \*\*p < 0.01; \*\*\*p < 0.001 \*\*\*\*p < 0.0001.
- **C.** H295R cells were labeled with oxidative stress reagent and analyzed by Muse Cell Analyser. In the cytograms, cells positive for reactive oxygen species (ROS) are shown in red.  $H_2O_2$  was used as a positive control.
- D, E. Confocal images of neutral lipids in H295R (D) and MUC-1 (E) cells. Nuclei were stained by DAPI.