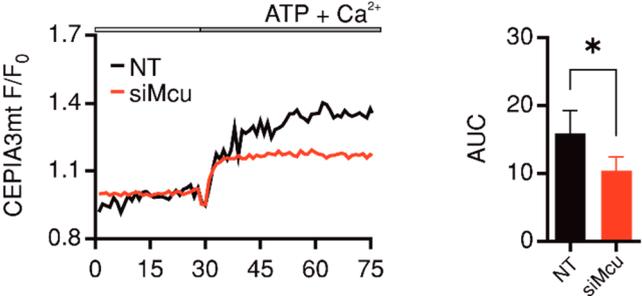


Supplementary Figure S1

A



B

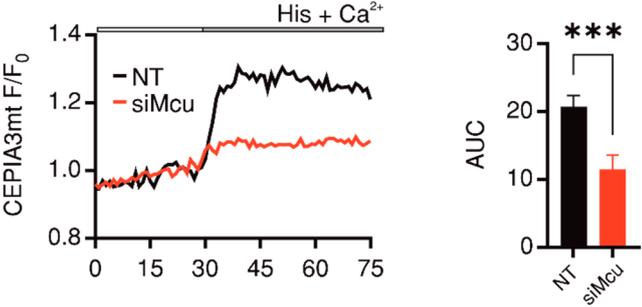


Figure S1. Mcu downregulation reduces mitochondrial Ca²⁺ uptake. (A) Representative images showing fluorescence of mtCEPIA3 corresponding to mitochondrial Ca²⁺ levels before (basal) and after application of 2 mM ATP in EL-4 murine T cell line transfected with non-targeting (NT) or Mcu silencing (siMcu) RNA; Average traces showing changes of fluorescence ratio of mtCEPIA3 over time in cells transfected as in (A) where the mitochondrial Ca²⁺ uptake is triggered by application of 2 mM ATP (B) or 100 μM Histamine (C). Bar graphs represent averages ± S.E.M of area under influx curve (AUC) from 3 independent experiments, and (32-48) cells per condition, * *p* < 0.05, *** *p* < 0.001. 48h before the RNA transfection cells were transduced with viral particles encoding mtCEPIA3.