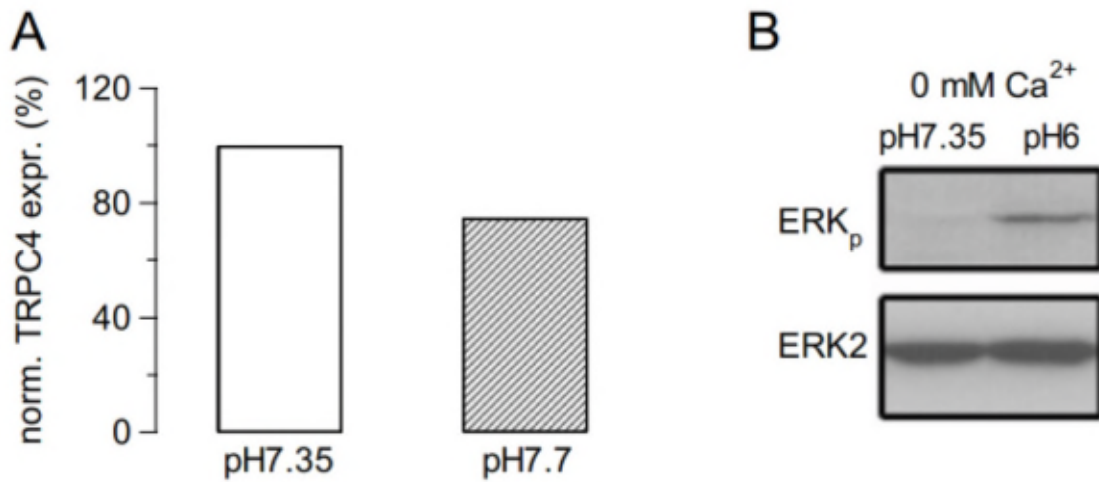


Supplementary Figure 1: Preliminary data leading to study



A, qPCR results showing that TRPC4 expression levels, normalised (norm.) to average TRPC4 expression (expr.) at pH7.35, are higher when DAOY cells are cultured at pH7.35 than at pH7.7; n=2 repeats for each pH condition, values shown represent averages of the two repeats.

B, Western Blot showing extent of phosphorylation of ERK protein (ERK_p) in response to control conditions (in absence of extracellular Ca²⁺ at pH7.35) and under test conditions (in absence of extracellular Ca²⁺ at pH6); 10 min exposure time for both conditions. Experiments were performed in primary granule cells at DIV1. ERK2 protein levels served as internal control.