

Figure S1. Single channel activity of Piezo1 induced by selective channel activator Jedi2 (6 μM in the pipette solution); current records at different membrane potentials from representative cell-attached experiment (out of 3) on K562 cells. The I-V relationship corresponds to single channel conductance of 19 pS.

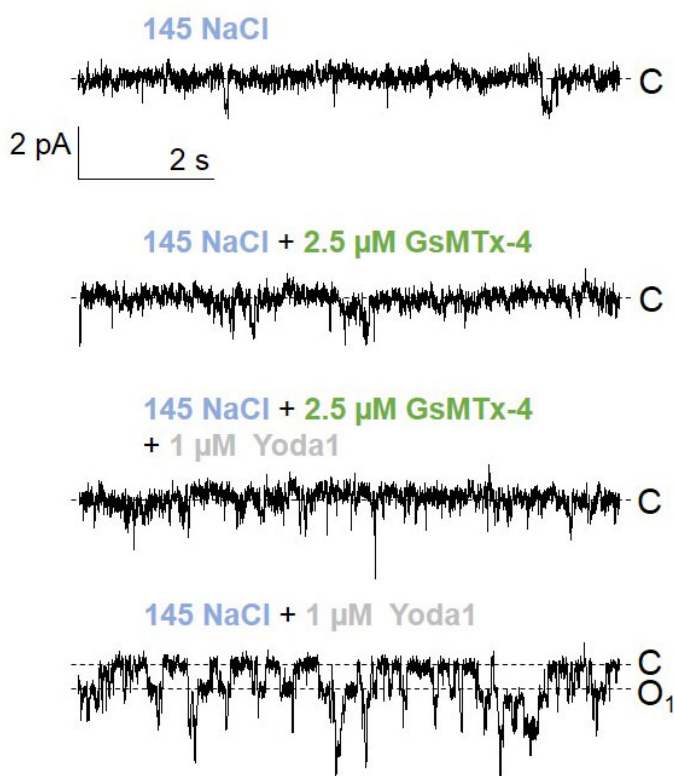


Figure S2. Peptide toxin GsMTx4 prevented Piezo1 activation by Yoda1 in plasma membrane of K562 cells. Representative whole-cell recordings at step-by-step substitutions of extracellular bath solution. No channel activity was observed in the simultaneous presence of GsMTx4 and Yoda1 whereas following washout of the toxin with Yoda1-containing standard extracellular solution induced the activation of Piezo1 channels in the membrane. Holding membrane potential is -40 mV.