



Figure S3: (A) Polarized MDCK cells expressing IP₃R1-GFP or Nter-GFP were fixed, permeabilized, immunostained for occludin and imaged by confocal microscopy. Single confocal x-y sections captured at the TJ level and x-z projections are presented. Scale bar, 10 μm . (x-z), 7.2 μm . (B) Representative traces showing the TER development in MDCK cells expressing IP₃R1-GFP (dotted line) or Nter-GFP (solid line) grown on filters (3413, Costar) over a week time period (Initial plating density: 10^4 cells/cm²) TER was measured at 37°C in culture medium at the indicated time points with a Millicel apparatus (Millipore), and background resistance of empty filters was subtracted. (C) Average peak and steady-state TER values derived from 3 independent experiments performed in duplicate are given \pm s.e.m.