



Extended Data Fig. 6 | ABA initiates a calcium signal from an extracellular source. a, Time-lapse images of ABA-induced Ca²⁺ signals near nanodomains of the plasma membrane in mesophyll cells of 7-day-old transgenic CRS plants. Black or white dotted circles outline the cell. White arrows indicate elevated Ca²⁺ signals. **b**, Ca²⁺ channel blocker (GdCl₃) or chelators (BAPTA and EGTA) abolished ABA-triggered Ca²⁺ changes in Arabidopsis root tips (Extended Data Fig. 1 and Fig. 3). Error bars denote \pm s.e.m., n=8. Ratio, relative fluorescence ratio of GCaMP6s to dTomato. ABA, 10 μ M. Scale bar, 10 μ m. All results were conducted in at least three biological repeats with similar results.