## ENDOCRINE AND OTHER FACTOR - REGULATED CALCIUM REABSORPTION Tight junction 1, 25(OH)2D3 Estrogens PTH Tight junction Blood Urinary lumen K04585 Distal convoluted tubular (DCT) cell Endosomes with many TRPV channels Connecting tubular (CNT) cell Small internalized vesicles Estrogens 1, 25(OH)2D3 Recycling K08539 K08550 Clathrin-coated pit Endocytosis Nucleus K04632 DNA cAMP NCXI Golgi **—** დ° 2+ Ca K14757 ►Ca<sup>2+</sup> homeostasis ${\it Calbindin-D}_{28K}$ K14757 K14757 K14757 DAG Transcellular pathway PMCA1b K03916 Tight junction Ca<sup>2+</sup> Paracellular pathway 04961 10/23/15 (c) Kanehisa Laboratories