

Figure 4-figure supplement 4

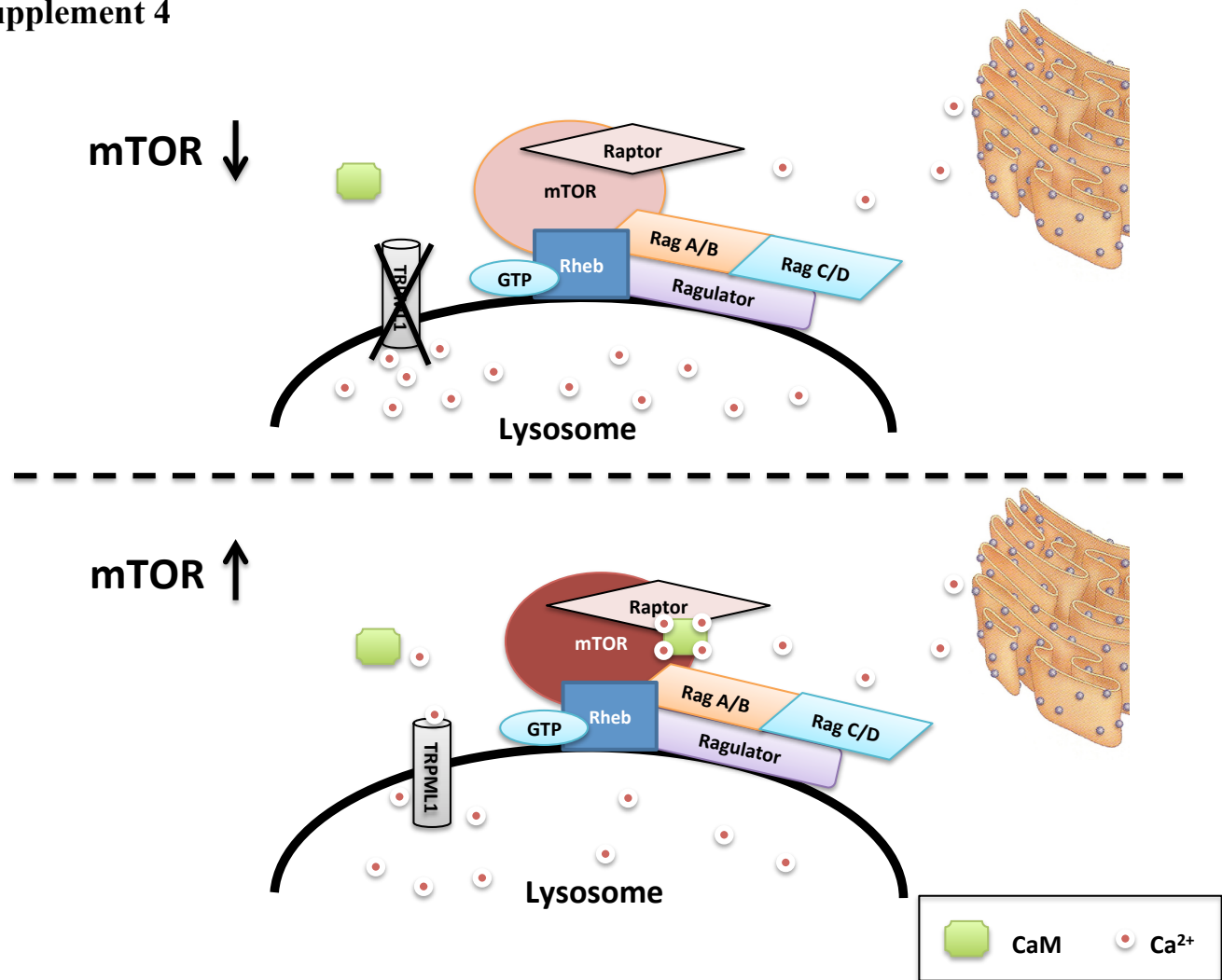


Figure 4-figure supplement 4. Proposed model of regulation of mTORC1 by TRPML1, lysosomal calcium and CaM. Upon the translocation of mTORC1 onto the lysosome through binding to GTP-Rheb, lysosomal Ca²⁺ released through TRPML1 enriches the local Ca²⁺ concentration, prompting the binding to and activation of CaM, which in turn interacts with mTORC1 and leading to a fully activation of the kinase activity.