
ACA11 Antibody Blocking Peptide

Catalog Number: bs-2249P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: In plant cells, the vacuole functions as a major calcium store. Although a calmodulin-regulated Ca^{2+} -ATPase (ACA4) is known to be present in prevacuolar compartments, the presence of an ACA-type Ca^{2+} -ATPase in the mature vacuole of a plant cell has not been verified. Here we provide evidence that ACA11 localizes to the vacuole membrane. ACA11 tagged with GFP was expressed in stable transgenic plants, and visualized in root cells and protoplasts by confocal microscopy. A Ca^{2+} -ATPase function for ACA11 was confirmed by complementation of yeast mutants.