

拟南芥 ACA11 抗体

产品货号： mlR2249

英文名称： ACA11

中文名称： 拟南芥 ACA11 抗体

别名： calcium-transporting ATPase; Putative calcium-transporting ATPase 11, plasma membrane-type; Ca(2+)-ATPase isoform 11; autoinhibited Ca2+-ATPase 11(Arabidopsis thaliana); ACA11_ARATH.

产品类型： 植物抗体

研究领域： 植物

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Arabidopsis Thaliana,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 (石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 112 kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from Arabidopsis thaliana ACA11:201-300/1025

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : In plant cells, the vacuole functions as a major calcium store. Although a calmodulin-regulated Ca²⁺-ATPase (ACA4) is known to be present in prevacuolar compartments, the presence of an ACA-type Ca²⁺-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 Ca²⁺-ATPase function for ACA11 was confirmed by complementation of yeast mutants.

Function:

This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol out of the cell or into organelles (By similarity).

Subcellular Location:

Membrane; Multi-pass membrane protein.

Similarity:

Belongs to the cation transport ATPase (P-type) (TC 3.A.3) family. Type IIB subfamily.



SWISS:

Q9M2L4

Gene ID:

824900

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

拟南芥