

Datasheet for ABIN678974

anti-Small Cajal Body-Specific RNA 22 (SCARNA22) antibody (Cy7)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Small Cajal Body-Specific RNA 22 (SCARNA22)
Reactivity:	Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Cy7
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from Arabidopsis thaliana ACA11
Isotype:	IgG
Cross-Reactivity (Details):	Arabidopsis thaliana,
Predicted Reactivity:	Plant
Purification:	Purified by Protein A.

Target Details

Target:	Small Cajal Body-Specific RNA 22 (SCARNA22)
Alternative Name:	Aca11 (SCARNA22 Products)
Background:	Synonyms: calcium-transporting ATPase, Putative calcium-transporting ATPase 11, plasma

Target Details

membrane-type, Ca²⁺-ATPase isoform 11, autoinhibited Ca²⁺-ATPase 11Arabidopsis thaliana, ACA11_ARATH.

Background: 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.

Gene ID: 677770

UniProt: [O22218](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months