Datasheet for ABIN4995916

anti-Small Cajal Body-Specific RNA 22 (SCARNA22) antibody (Alexa Fluor 750)

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Overview

Quantity:	100 µL
Target:	Small Cajal Body-Specific RNA 22 (SCARNA22)
Reactivity:	Plant
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Alexa Fluor 750
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.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months