

Datasheet for ABIN2688655

anti-ARF1 antibody

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Overview

Quantity:	50 µL
Target:	ARF1
Reactivity:	Oryza sativa, Nicotiana tabacum, Chlamydomonas reinhardtii, Lilium longiflorum (Trumpet lily), Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	recombinant GST fusion of full length of Arabidopsis thaliana ARF1 (P36397, At2g47170)
Cross-Reactivity (Details):	No cross-reactivity with: Microsporidia sp.
Characteristics:	Expected / apparent Molecular Weight of the Antigen: 21 kDa (Arabidopsis thaliana)
Purification:	serum

Target Details

Target:	ARF1
Alternative Name:	Arf1 (ARF1 Products)
Background:	The ARF1 protein is localized to the Golgi apparatus and has a central role in intra-Golgi transport. It is a small GTPase that undergoes a GDP/GTP nucleotide exchange cycle and it is an important regulator of cellular trafficking.

Target Details

Molecular Weight:	21 kDa (Arabidopsis thaliana)
Pathways:	Transition Metal Ion Homeostasis , Inositol Metabolic Process

Application Details

Application Notes:	Recommended Dilution: 1 : 1000 with standard ECL (WB), 1 : 1000 (IF). Cellular [compartment marker] of Golgi in immunolocalization and COP1 in western blot
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 200 µL of sterile water.
Handling Advice:	Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes. Once reconstituted make aliquots to avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Publications

Product cited in:	Wang, Ito, Uehara, Naito, Takano: "UDP-D-galactose synthesis by UDP-glucose 4-epimerase 4 is required for organization of the trans-Golgi network/early endosome in Arabidopsis thaliana root epidermal cells." in: Journal of plant research , (2015) (PubMed).
	Pertl, Schulze, Obermeyer: "The pollen organelle membrane proteome reveals highly spatial-temporal dynamics during germination and tube growth of lily pollen." in: Journal of proteome research , Vol. 8, Issue 11, pp. 5142-52, (2009) (PubMed).

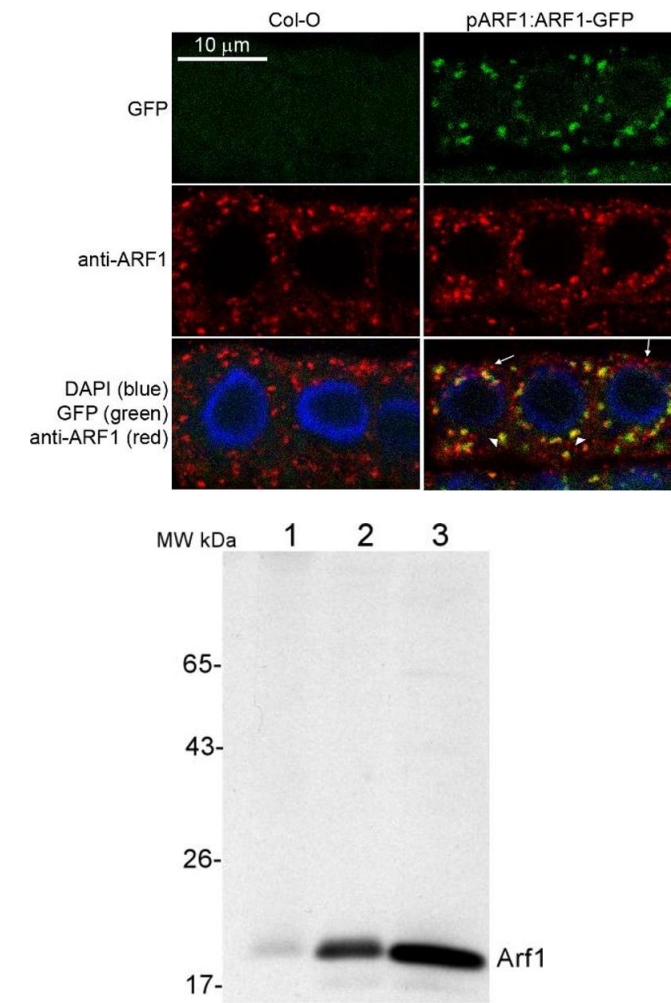


Image 1.

Western Blotting

Image 2. From left to right: *Nicotiana tabacum* protoplast total protein with Triton X100, 0.02% (1), *Arabidopsis thaliana* protoplast soluble protein (2), *Arabidopsis thaliana* protoplast total protein with Triton X100 0.02% (3), (50 µg of total protein extracts from cell cultures were loaded per lane)