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Datasheet for ABIN2482210 anti-HA2 antibody (APC)

2 Images



Overview

Quantity:	100 µg
Target:	HA2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HA2 antibody is conjugated to APC
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

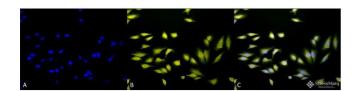
Immunogen:	Aha2
Specificity:	Cross reacts with Aha1.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein A Purified

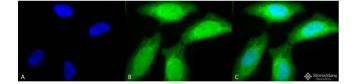
Target Details

Target:	HA2
Alternative Name:	AHA2 (HA2 Products)
Background:	The Arabidopsis protein RIN4 is a well known regulator of plant immunity. The plasma membrane H+-ATPases Aha1 and Aha2 are one class of RIN4-associated proteins (1-5). Aha1
	and Aha2 play a crucial role in resisting pathogen invasion- plants use RIN4 to regulate H+- ATPase activity during immune responses, thereby controlling stomatal apertures during

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Target Details	
	pathogen attack (1). Wild type AHA2 has been found to be localized to the plasma membrane, and has also been found in the ER (4).
Gene ID:	130872
Pathways:	Cellular Glucan Metabolic Process, Proton Transport
Application Details	
Application Notes:	 WB (1:1000) ICC/IF (1:80) optimal dilutions for assays should be determined by the user.
Comment:	1 μg/ml of ABIN2482210 was sufficient for detection of Aha2 in 20 μg of rat tissue lysate by colorimetric immunoblot analysis using Goat anti-rat IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
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:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C





Immunofluorescence (fixed cells)

Image 1. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-AHA2 Polyclonal Antibody . Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-AHA2 Polyclonal Antibody at 1:80 for 12 hours at 4°C. Secondary Antibody: R-PE Goat Anti-Rabbit (yellow) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Nucleus. Cytoplasm. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-AHA2 Antibody. (C) Composite. Heat Shocked at 42°C for 1h.

Immunofluorescence (fixed cells)

Image 2. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-AHA2 Polyclonal Antibody . Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-AHA2 Polyclonal Antibody at 1:80 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Nucleus. Cytoplasm. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-AHA2 Antibody. (C) Composite. Heat Shocked at 42°C for 1h.

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