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anti-HA2 antibody (Alkaline Phosphatase (AP))





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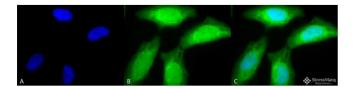
Quantity:	100 μg
Target:	HA2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HA2 antibody is conjugated to Alkaline Phosphatase (AP)
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF)
Product Details	
Immunogen:	Aha2
Specificity:	Cross reacts with 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

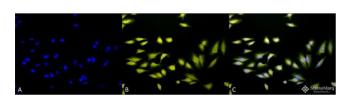
Target Details

Storage Comment:

Larget 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 ABIN2482209 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	

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: 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.

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: 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.