

Datasheet for ABIN2482212  
**anti-HA2 antibody (FITC)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µg
Target:	HA2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HA2 antibody is conjugated to FITC
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 ( <a href="#">HA2 Products</a> )
Background:	The Arabidopsis protein RIN4 is a well known regulator of plant immunity. The plasma membrane H <sup>+</sup> -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 <sup>+</sup> -ATPase activity during immune responses, thereby controlling stomatal apertures during

## 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 ABIN2482212 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

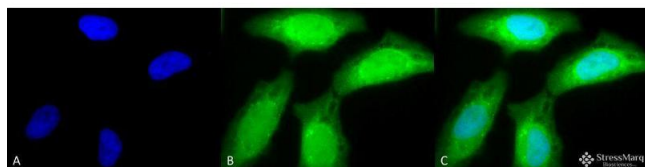
Buffer: PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

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

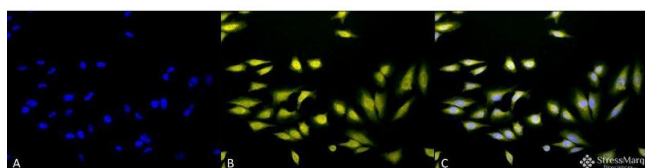
Storage: 4 °C

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: 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.