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SNC1 (N) Antibody, Rabbit Polyclonal

Cat#: R3588-1

Lot#: Refer to vial

Quantity: 100 ul

Application: WB

Predicted I Observed M.W.: 148 kDa

Uniprot ID: O23530

Background:

SNC1 (Protein SUPPRESSOR OF npr1-1, CONSTITUTIVE 1) is a disease resistance protein of the TIR-NB-LRR-type. Resistance proteins guard the plant against pathogens that contain an appropriate avirulence protein via an indirect interaction with this avirulence protein, which triggers a defense system including the hypersensitive response that restricts the pathogen growth. The expression of SNC1 is regulated by RNA silencing and by MOS1 at chromatin level. SNC1 is negatively regulated at the transcript level by BON1. Nuclear localization of SNC1 is essential for its activity. ABA deficiency can rescue high-temperature inhibition of SNC1-mediated defense responses.

Other Names:

Protein SUPPRESSOR OF npr1-1, CONSTITUTIVE 1, AtSNC1, Disease resistance RPP5-like protein, BAL, At4g16890

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing N-terminal region of arabidopsis thaliana SNC1 (At4g16890). Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN_3. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Arabidopsis

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

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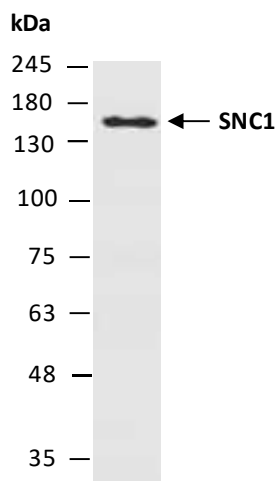Web: www.Abiocode.com

Product Data:

Fig 1. *Western blot analysis of protein extracts from wild type arabidopsis leaves; using anti-SNC1 (N) (R3588-1) at RT for 2 hr.*

References cited for this product:

1. Xu G, Yuan M, Ai C, Liu L, Zhuang E, Karapetyan S, Wang S, Dong X. uORF-mediated translation allows engineered plant disease resistance without fitness costs. *Nature*, 2017, 545:491-494.