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ICS1 (C1) Antibody, Rabbit Polyclonal

Cat#: R3689-1

Quantity: 100 ul

Predicted | Observed M.W.: 69 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9S7H8-2

Background:

ICS1 (ISOCHORISMATE SYNTHASE 1) is involved in the synthesis of salicylic acid (SA) required for both local and systemic acquired resistance (LAR and SAR) while SA synthesized through the phenylalanine ammonium lyase (PAL) pathway seems to potentiate plant cell death. ICS1 is also involved in phyloquinone (vitamin K1) synthesis.

Other Names:

EDS16, ENHANCED DISEASE SUSCEPTIBILITY TO ERYSIPIHE ORONTII 16, ICS1, ISOCHORISMATE SYNTHASE 1, SALICYLIC ACID INDUCTION DEFICIENT 2, SID2, At1g74710

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing C-terminal region of arabidopsis thaliana ICS1 (At1g74710). Antibodies were purified by affinity purification using immunogen. Two isoforms of ICS1 have been described with Uniprot ID# of Q9S7H8-1 and Q9S7H8-2, respectively. This antibody is specific for the isoform 2 of ICS1 (the longer isoform).

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. 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.

Product Data:

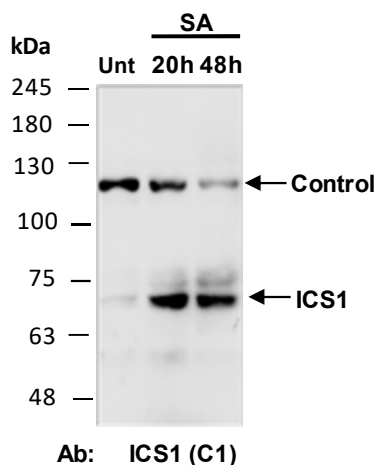


Fig 1. Western blot analysis of equal amounts of protein extracts from wild type Arabidopsis leaves untreated (Unt) or treated with 1mM salicylic acid (SA) for 20hr or 48hr as indicated, using anti-ICS1 (C1) (R3689-1) at RT for 2 hr. A non-specific band is indicated as the loading control.