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EIN3 (C) Antibody, Rabbit Polyclonal

Cat#: R3412-2

Quantity: 100 ul

Predicted | Observed M.W.: 71 | 90 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: O24606

Background:

EIN3 is a probable transcription factor acting as a positive regulator in the ethylene response pathway. EIN3 is required for ethylene responsiveness in adult plant tissues. EIN3 binds to a primary ethylene response element present in the ETHYLENE-RESPONSE-FACTOR1 promoter with consequence to activate the transcription of this gene.

Other Names:

Protein ETHYLENE INSENSITIVE 3, At3g20770, MOE17.8, ATEIN3

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of *arabidopsis thaliana* EIN3 (At3g20770). 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% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Arabidopsis thaliana

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:

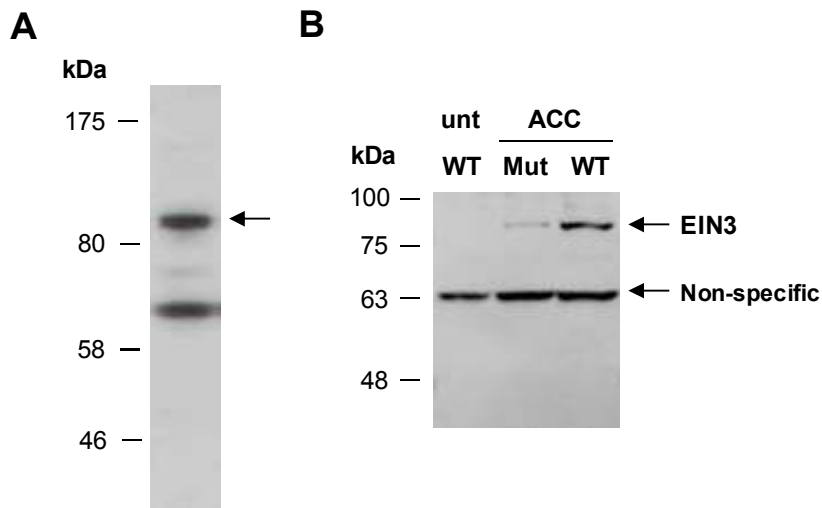


Fig 1. A) Western blot analysis of total protein extracts from wild type arabidopsis leaves, using anti-EIN3 (C) (R3412-2) at RT for 2 h. **B)** Same as in **A** except that protein extracts were prepared from the leaves of wild type (WT) or EIN2-deficient mutant (Mut) arabidopsis grown in the absence (unt) or presence of 0.1mM ACC (1-aminocyclopropane-1-carboxylic acid, the ethylene precursor) for 16 h. EIN2 is required for ethylene-induced EIN3 accumulation (An et al., 2010, Plant Cell 22:2384-2401). The observed M.W. for EIN3 is approximately 90 kD (Potuschak T. et al., 2003, Cell 115:679–689).