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NFYB9 (N) Antibody, Rabbit Polyclonal

Cat#: R3466-1

Quantity: 100 ul

Predicted | Observed M.W.: 26 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9SFD8

Background:

Nuclear transcription factor Y subunit B-9 (NFYB9) is a transcriptional activator of genes required for both embryo maturation and cellular differentiation. NFYB9 shares sequence similarity with the HAP3 subunit of the CCAAT-box binding factor. NFYB9 is required for the specification of cotyledon identity and the completion of embryo maturation. It was sufficient to induce embryogenic programs in vegetative cells, suggesting that NFYB9 is a major embryonic regulator that mediates the switch between embryo and vegetative development. Mutants are desiccation intolerant, have trichomes on cotyledons and exhibit precocious meristem activation.

Other Names:

Nuclear transcription factor Y subunit B-9, AtNF-YB-9, Protein LEAFY COTYLEDON 1, LEC1, At1g21970, T26F17.20, ATLEC1, EMB 212, EMB212, EMBRYO DEFECTIVE 212, NF-YB9, NUCLEAR FACTOR Y, SUBUNIT B9

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* NFYB9 (AT1G21970). 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:

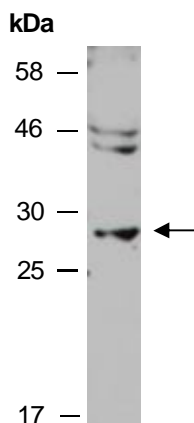


Fig 1. Western blot analysis of total protein extracts from wild type arabidopsis leaves, using anti-NFYB9 (N) (R3466-1) at RT for 2 h.