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SUF4 (N2) Antibody, Rabbit Polyclonal

Cat#: R2346-2b

Quantity: 100 ul

Predicted | Observed M.W.: 40 | 44 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9C5G0

Background:

SUPPRESSOR OF FRIGIDA4 (SUF4) is a putative zinc-finger-containing transcription factor that is required for delayed flowering in winter-annual *Arabidopsis*. SUF4 mutations strongly suppress the late-flowering phenotype of FRI (FRIGIDA) mutants. SUF4 mutants also show reduced H3K4 trimethylation at FLC (FLOWERING LOCUS C), a floral inhibitor. SUF4 may act to specifically recruit a putative histone H3 methyltransferase EFS (EARLY FLOWERING IN SHORT DAYS) and the PAF1-like complex to the FLC locus.

Other Names:

SUPPRESSOR OF FRIGIDA4, C2H2-type zinc finger protein, Putative zinc finger protein

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* SUF4 (At1g30970). 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: 1:1,000-1:3,000 (detect endogenous protein*)

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

Product Data:

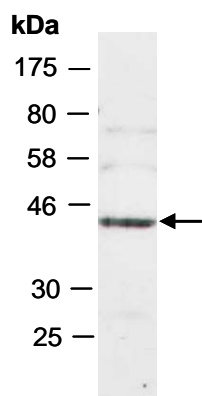


Fig 1. Western blot of total cell extracts from *arabidopsis thaliana*; using anti-SUF4 (N2) (R2346-2b) at RT for 2 h.