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FER (N2) Antibody, Rabbit Polyclonal

Cat#: R2096-2

Quantity: 100 ul

Predicted | Observed M.W.: 98 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9SCZ4

Background:

Receptor-like protein kinase FERONIA (FER) is a single-pass type I membrane protein that belongs to protein kinase superfamily and Ser/Thr protein kinase family. FER mediates the female control of male gamete delivery during fertilization, including growth cessation of compatible pollen tubes ensuring a reproductive isolation barriers. FER is required for cell elongation during vegetative growth, mostly in a brassinosteroids- (BR-) independent manner.

Other Names:

Receptor-like protein kinase FERONIA, Protein SIRENE, AAK1, SIR, SRN

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* FER (At3g51550). 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:

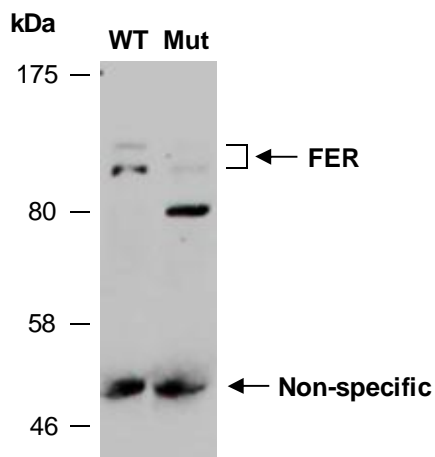


Fig 1. Western blot of equal amounts of protein extracts from wild type (WT) or FER mutant (Mut; T-DNA insertion; #CS811964) Arabidopsis leaves, using anti-FER (N2) (R2096-2) at RT for 2 h.