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FLS2 (N) Antibody, Rabbit Polyclonal

Cat#: R3510-1

Quantity: 100 ul

Predicted | Observed M.W.: 129 | 175 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9FL28

Background:

FLS2 constitutes the pattern-recognition receptor (PPR) that determines the specific perception of flagellin (flg22), a potent elicitor of the defense response to pathogen-associated molecular patterns (PAMPs). Flagellin-binding to the receptor is the first step to initiate the innate immune MAP kinase signaling cascade (MEKK1, MKK4/MKK5 and MPK3/MPK6), resulting in enhanced resistance against pathogens. FLS2 binding to the effector AvrPto1 or to the phosphatase hopD2 from *Pseudomonas syringae* blocks the downstream plant immune response.

Other Names:

LRR receptor-like serine/threonine-protein kinase FLS2, Protein FLAGELLIN-SENSING 2, Protein FLAGELLIN-SENSITIVE 2, At5g46330, MPL12.13, MPL12.8

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* FLS2 (At5g46330). 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:

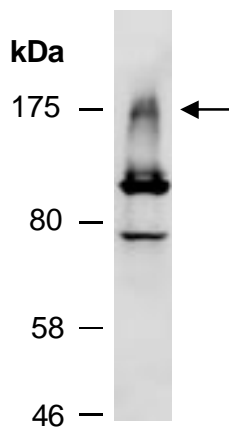


Fig 1. Western blot analysis of total protein extracts from wild type arabidopsis leaves, using anti-FLS2 (N) (R3510-1) at RT for 2 h. This antibody appears to recognize the glycosylated FLS2 with an observed M.W. of 175 kD.