



Order: (888)-282-5810 (Phone)  
(818)-707-0392 (Fax)  
[order@abiocode.com](mailto:order@abiocode.com)  
Web: [www.Abiocode.com](http://www.Abiocode.com)

---

## FLS2 (C) Antibody, Rabbit Polyclonal

**Cat#:** R3510-2

**Quantity:** 100 ul

**Predicted | Observed M.W.:** 129 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 C-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% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

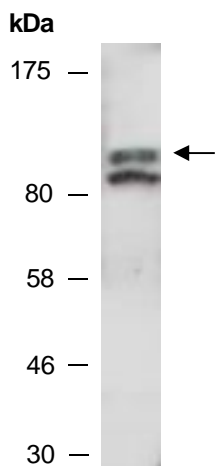
*Arabidopsis thaliana*

### **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 (C) (R3510-2) at RT for 2 h.