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## **ABH1 (N) Antibody, Rabbit Polyclonal**

**Cat#: R3454-1**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 97 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: Q9SIU2**

### **Background:**

ABH1 is a component of the cap-binding complex (CBC), which binds cotranscriptionally to the 5'-cap of pre-mRNAs and is involved in various processes such as pre-mRNA splicing and RNA-mediated gene silencing (RNAi) by microRNAs (miRNAs). The CBC complex is involved in miRNA-mediated RNA interference and is required for primary miRNA processing. In the CBC complex, ABH1/CBP80 does not bind directly to capped RNAs (m7GpppG-capped RNA) but is required to stabilize the movement of the N-terminal loop of CBP20 and lock the CBC into a high affinity cap-binding state with the cap structure. ABH1 is involved in flowering regulation, possibly by regulating pre-mRNA splicing of FLC gene. ABH1 acts as a negative regulator of abscisic acid signaling in guard cells.

### **Other Names:**

Nuclear cap-binding protein subunit 1, 80 kDa nuclear cap-binding protein, AtCBP80, NCBP 80 kDa subunit, Abscisic acid-hypersensitive protein 1, ABA-hypersensitive protein 1, Protein ENSALADA, CBP80, ENS, At2g13540, T10F5.8

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* ABH1 (AT2G13540). 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:**

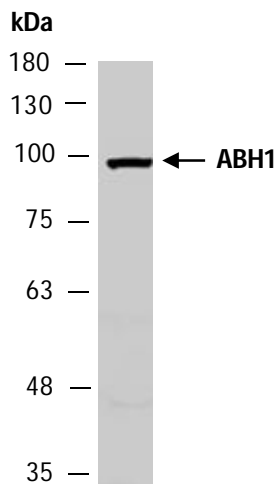
Arabidopsis thaliana

### **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-ABH1 (N) (R3454-1) at RT for 2 h.