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## MORC1 (C) Antibody, Rabbit Polyclonal

**Cat#:** R3245-2

**Quantity:** 100 ul

**Predicted | Observed M.W.:** 71 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** Q84WV6

### **Background:**

MORC1 (Protein MICRORCHIDIA 1) is a mediator of defense signaling triggered by distinct classes of R proteins. MORC1 is required during hypersensitive response (HR) that confers disease resistance to turnip crinkle virus (TCV). MORC1 exhibits ATPase activity. MORC1 is required for pathogen-associated molecular pattern (PAMP)-triggered immunity (PTI), basal resistance, non-host resistance and systemic acquired resistance (SAR). MORC1 binds DNA/RNA in a non-specific manner and exhibits endonuclease activity. MORC1 is probably involved in DNA repair. MORC1 is required for both RPP8- and SSI4-mediated resistance responses, thus being involved in both TIR- and CC-NB-LRR pathways. MORC1 is involved in RNA-directed DNA methylation (RdDM) as a component of the RdDM machinery and required for gene silencing. MORC1 may also be involved in the regulation of chromatin architecture to maintain gene silencing.

### **Other Names:**

Protein MICRORCHIDIA 1, Protein COMPROMISED RECOGNITION OF TCV 1, AtMORC1, CRT1, At4g36290

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing C-terminal region of arabidopsis thaliana MORC1 (At4g36290). 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

### **Tested Applications:**

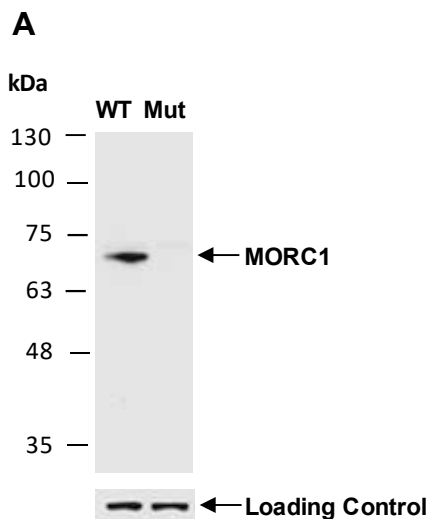
WB: 1:500-1:2,000 (detect endogenous protein\*)

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

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**For research use only. Not for therapeutic or diagnostic purposes.**  
**Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**

**Product Data:**



**Fig 1.** Western blot analysis of equal amounts of protein extracts from wild type (WT) and Morc1 deficient mutant (Mut) Arabidopsis leaves, using anti-MORC1(C) (R3245-2) at RT for 2 h.