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## **RGA (N2) Antibody, Rabbit Polyclonal**

**Cat#:** R3492-2

**Quantity:** 100 ul

**Predicted | Observed M.W.:** 64 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** Q9SLH3

### **Background:**

RGA is a probable transcriptional regulator that acts as a repressor of the gibberellin (GA) signaling pathway. RGA probably acts by participating in large multiprotein complexes that repress transcription of GA-inducible genes. RGA positively regulates XERICO expression in seeds. Upon GA application, it is degraded by the proteasome, allowing the GA signaling pathway. Compared to other DELLA proteins, it is the most sensitive to GA application. Its activity is probably regulated by phytohormones other than BOI, such as auxin and ethylene.

### **Other Names:**

DELLA protein RGA, GAI-related sequence, GRAS family protein 10, AtGRAS-10, Repressor on the ga1-3 mutant, Restoration of growth on ammonia protein 1, GRS, RGA1

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* RGA (At2g01570). 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:**

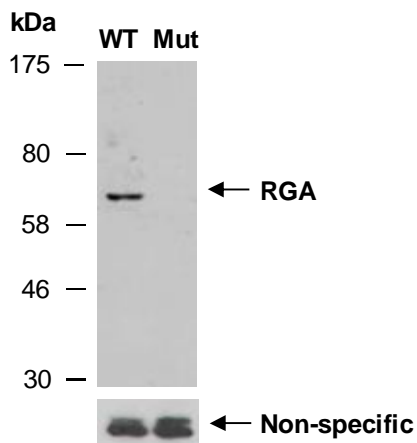
*Arabidopsis thaliana*

### **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 equal amounts of protein extracts from wild type (WT) or RGA mutant arabidopsis leaves, using anti-RGA (N2) (R3492-2) at RT for 2 h. The same filter was re-probed with a non-relevant Ab for the loading control.