

# Anti-Auxin-responsive protein IAA17 antibody

Catalog: PHY0923A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	IAA17 is a short-lived nuclear protein with four conserved domains. It is involved in auxin signaling and is a positive modulator of natural leaf senescence. Auxin can induce the degradation of the protein in a dosage-dependent manner in a process mediated by AtRac1, and induced the relocalization of the protein within the nucleus from a diffused nucleoplasmic pattern to a discrete particulated pattern named nuclear protein bodies or NPB in a process also mediated by Rac1. AUX/IAA family includes AXR1 (AT1G05180), AXR4 (AT1G54990), AXR5 (AT4G14560).
<b>Synonyms:</b>	IAA17, AXR3, ATIAA17, AUXIN RESISTANT 3, INDOLE-3-ACETIC ACID INDUCIBLE 17
<b>Immunogen:</b>	KLH-conjugated synthetic peptide of IAA17 derived from <i>Arabidopsis thaliana</i> AT1G04250.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 µl of 0.01 M sterile PBS. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
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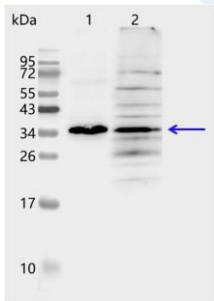
Research Use Only

**Expected/apparent MW:** 25 / 34 kDa

**Confirmed Reactivity:** *Arabidopsis thaliana*

**Predicted Reactivity:** For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).

## Application Example



Lane 1: 6 µg nuclear protein from *Arabidopsis thaliana*.

Lane 2: 20 µg total protein from *Arabidopsis thaliana* leaf.

**Electrophoresis:** 15% SDS-PAGE

**Transfer:** blotting to NC (nitrocellulose) membrane for 1 h.

**Blocking:** 5% skim milk at RT or 4°C for 1 h.

**PHY0923A Primary antibody:** 1:1000 dilution overnight at 4°C.

**Secondary antibody:** 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) (Cat# PHY6000).

**Detection:** using chemiluminescence substrate and image were captured with CCD camera.