Anti-Auxin-responsive protein IAA17, C-terminal antibody

Catalog: PHY7123S

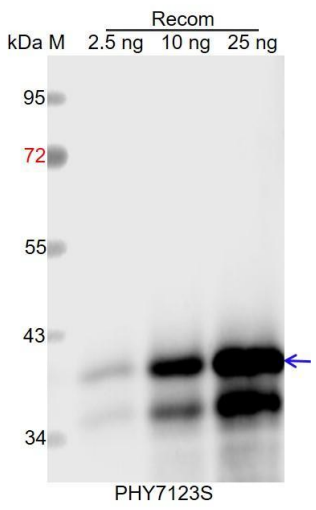
Product Information

Description:	Rabbit polyclonal antibody
Background:	IAA17 is a short-lived nuclear protein with four conserved domains. Domain III has homology to beta alpha alpha dimerization and DNA binding 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).
Synonyms:	IAA17, AXR3, ATIAA17, AUXIN RESISTANT 3, INDOLE-3-ACETIC ACID INDUCIBLE 17
Immunogen:	KLH-conjugated synthetic peptide (20 aa from C terminal section) derived from *Arabidopsis thaliana* IAA17 (AT1G04250).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150 µl of sterile water. "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".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	25 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus, Brassica rapa, Nicotiana tabacum, Solanum tuberosum, Gossypium raimondii.* For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 40 kDa.

Electrophoresis: 12% SDS-PAGE

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

Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:1000 dilution overnight at 4℃.

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.