Anti-Auxin-responsive protein IAA7/14 antibody

Catalog: PHY1464A

Product Information

Description:	Rabbit polyclonal antibody
Background:	IAA7 and IAA14 are members of the Aux/IAA protein family.
Synonyms:	IAA7/14, INDOLE-3-ACETIC ACID 7/14
Immunogen:	KLH-conjugated synthetic peptide (17 aa from N terminal section) derived from *Arabidopsis thaliana* IAA7 (AT3G23050), IAA14 (AT4G14550).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	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".
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:	26 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Zea mays*, *Sorghum bicolor*, *Oryza sativa*, *Setaria viridis*, *Hordeum vulgare*, *Triticum aestivum*, *Panicum virgatum*, *Brassica napus*, *Brassica rapa*, and 80-99% homologues with the sequence in *Glycine max*, *Populus trichocarpa*, *Cucumis sativus*, *Medicago truncatula*.

The sequence of the synthetic peptide used for immunization is 88% homologues with the sequence in IAA17 (AT1G04250), 88% homologues with the sequence in IAA8 (AT2G22670) and IAA16 (AT3G04730), 82% homologues with the sequence in IAA3 (AT1G04240).

For more species homologues information, please contact tech support at tech@phytoab.com.