

Anti-INDOLE-3-ACETIC ACID INDUCIBLE 14 antibody

Catalog: PHY1223A

Product Information

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| Description: | Rabbit polyclonal antibody |
| Background: | IAA14 is a member of the Aux/IAA protein family. It is localized to the nucleus and involved in lateral root development. This protein is expressed in stele and root tip epidermis. It functions as a negative regulator of ARF7/19. |
| Synonyms: | IAA14, INDOLE-3-ACETIC ACID INDUCIBLE 14, SLR, SOLITARY ROOT, Auxin-responsive protein IAA14 |
| Immunogen: | KLH-conjugated synthetic peptide of IAA14 derived from <i>Arabidopsis thaliana</i> AT4G14550. |
| Form: | Lyophilized |
| Quantity: | 150 µg |
| Purification: | Immunogen affinity purified |
| Reconstitution: | Reconstitution with 150 µl of 0.01M 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°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. |
| Shipping: | The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above. |

Application Information

Research Use Only

Recommended Dilution: Western Blot (1:1000-1:2000)

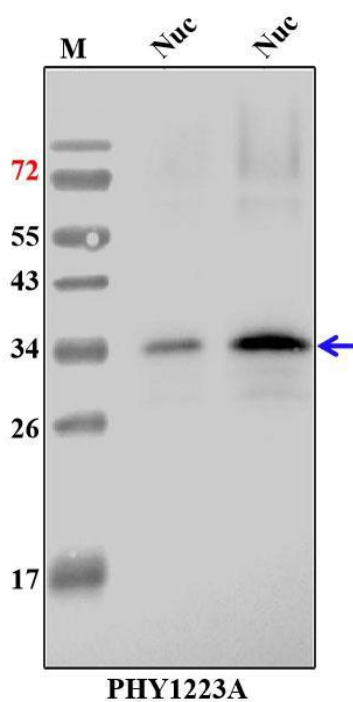
Note: Optimal dilutions/concentrations should be determined by the end user.

Expected/apparent MW: 25 kDa

Confirmed Reactivity: *Arabidopsis thaliana*

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

Application Example



Nuc: ~4ug and 8 ug nuclear protein from *Arabidopsis thaliana* was used for immunoblots.

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.

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.