

Anti-Auxin response factor 7 antibody

Catalog: PHY2552S

Product Information

Description:	Rabbit polyclonal antibody
Background:	IAA21/ARF7 encodes an auxin-regulated transcriptional activator. Activates expression of IAA1 and IAA9 in the presence of auxin. Mutants affect blue light and gravitropic and auxin mediated growth responses. Together with AUX19, it is involved in the response to ethylene. In the <i>arf7 arf19</i> double mutant, several auxin-responsive genes (e.g. IAA5, LBD16, LBD29 and LBD33) are no longer upregulated by auxin.
Synonyms:	IAA21/ARF7, AUXIN RESPONSE FACTOR 7, BIP, BIPOSTO, IAA23, IAA25, INDOLE-3-ACETIC ACID INDUCIBLE 21, INDOLE-3-ACETIC ACID INDUCIBLE 23, INDOLE-3-ACETIC ACID INDUCIBLE 25, MASSUGU 1, MSG1, NON-PHOTOTROPIC HYPOCOTYL, NPH4, TIR5, TRANSPORT INHIBITOR RESPONSE 5
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> IAA21/ARF7 (AT5G20730).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150µl 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°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

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

Research Use Only

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

Expected / apparent MW: 129 kDa

Confirmed Reactivity: *Arabidopsis thaliana*

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*.

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