Anti-Transcription factor AS1 antibody

Catalog: PHY1838A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Encodes a MYB-domain protein involved in specification of the leaf proximodistal axis. Mutation results in lobed and dissected leaves with a characteristic asymmetry. Homologous to the Antirrhinum PHANTASTICA (PHAN) and maize ROUGH SHEATH2 (RS2) genes Asymmetric placement of auxin response at the distal leaf tip precedes visible asymmetric leaf growth. Acts alongside AXR1 to exclude BP expression in leaves and with PIN1 to repress BP and promote lateral organ growth. Interacts physically with AS2 to form a complex that binds to the BP promoter and silences BP. Also functions as a regulator of the plant immune response.
Synonyms:	AS1, ARABIDOPSIS PHANTASTICA-LIKE 1, AS1, ASYMMETRIC LEAVES 1, ATMYB91, ATPHAN, LL2, LOTUS LEAF 2, MYB DOMAIN PROTEIN 91, MYB91
Immunogen:	KLH-conjugated synthetic peptide (17 aa from C terminal section) derived from *Arabidopsis thaliana* AS1 (AT2G37630).
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: 42 kDa

Confirmed Reactivity: Coming soon

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Solanum lycopersicum*.
For more species homologues information, please contact tech support at tech@phytoab.com.