Anti-MADS-box protein SOC1 antibody

Catalog: PHY0875A

Product Information

Description:	Rabbit polyclonal antibody
Background:	SUPPRESSOR OF OVEREXPRESSION OF CO 1 (SOC1) acts in Arabidopsis as an integrative centre of these pathways, promoting the floral transition. AGAMOUS-LIKE 42 (AGL42, AT5G62165), AGAMOUS-LIKE 71 (AGL71, AT5G51870) and AGAMOUS-LIKE 72 (AGL72, AT5G51860), which encode MADS-box transcription factors phylogenetically closely related to SOC1, are also involved in the floral transition.
Synonyms:	SOC1, AGAMOUS-LIKE 20, AGL20, ATSOC1, SUPPRESSOR OF OVEREXPRESSION OF CO 1
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from *Arabidopsis thaliana* SOC1 (AT2G45660).
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.

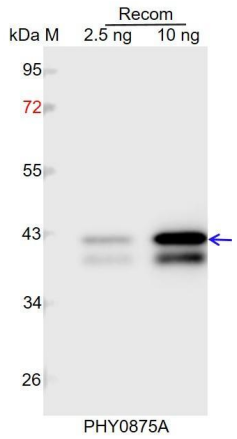
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	25 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Brassica rapa*.

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

Application Example



Recom: 2.5 ng and 10 ng recombinant protein containing the peptide for immunization and having a molecular mass of 42 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.