

Anti-Protein related to AP2.12 antibody

Catalog: PHY1768S

Product Information

Description:	Rabbit polyclonal antibody
Background:	RAP2.12 is a member of the ERF (ethylene response factor) subfamily B-2 of ERF/AP2 transcription factor family. The RAP2.12 protein contains one AP2 domain. RAP2.12 plays a key role in controlling root bending in response to hypoxia. Oxygen sensing mediated by RAP2.12 degradation is indispensable to optimize metabolic performance, plant growth and development under both normoxic and hypoxic conditions.
Synonyms:	RAP2.12, RF74, ETHYLENE RESPONSE FACTOR 74, RELATED TO AP2 12
Immunogen:	KLH-conjugated synthetic peptide (14 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> RAP2.12 (AT1G53910).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150 µl 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

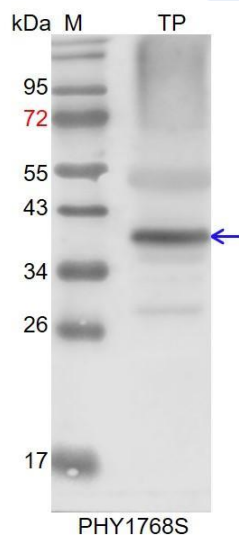
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	40 kDa

Research Use Only

Confirmed Reactivity: *Arabidopsis thaliana*

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

Application Example



TP: 60 µg total protein from *Arabidopsis thaliana*.

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.