

Anti-Abscisic acid receptor PYL1 antibody

Catalog: PHY2734A

Product Information

Description:	Rabbit polyclonal antibody
Background:	PYL1 mediate ABA-dependent regulation of protein phosphatase 2Cs ABI1 and ABI2. PYL1 encodes a member of the PYR/PYL/RCAR family proteins with 14 members, and PYR/PYL/RCAR family proteins function as abscisic acid sensors.
Synonyms:	PYL1, PYR1-LIKE 1, RCAR12, REGULATORY COMPONENTS OF ABA RECEPTOR 12
Immunogen:	KLH-conjugated synthetic peptide (17 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PYL1 (AT5G46790).
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°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 (1:1000-1:3000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	25 kDa
Confirmed Reactivity:	Coming soon
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for

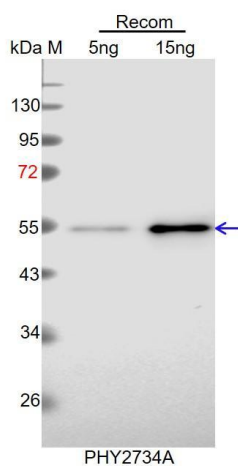
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immunization is 80-99% homologues with the sequence in *Gossypium raimondii*, *Brassica napus*, *Glycine max*, *Brassica rapa*, *Solanum lycopersicum*, *Solanum tuberosum*, *Nicotiana tabacum*, *Medicago truncatula*, *Triticum aestivum*, *Hordeum vulgare*, *Oryza sativa*, *Setaria viridis*, *Sorghum bicolor*, *Panicum virgatum*, *Cucumis sativus*, *Zea mays*, *Vitis vinifera*.

The sequence of the synthetic peptide used for immunization is 88% homologues with the sequence in PYR1(AT4G17870).

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

Application Example



Recom: 5 ng and 15 ng recombinant protein containing the peptide for immunization and having a molecular mass of 55 kDa.

Electrophoresis: 12% SDS-PAGE.

Transfer: blotting to NC (nitrocellulose) membrane for 1h.

Blocking: 5% skim milk at RT or 4°C for 1h.

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.