Anti-Transcription factor PIF5 antibody

Catalog: PHY1689S

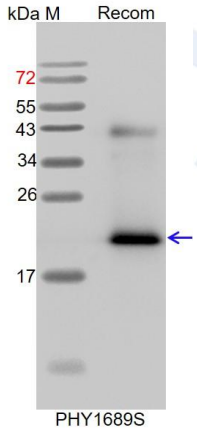
Product Information

Description:	Rabbit polyclonal antibody
Background:	PIF5 is a novel Myc-related bHLH transcription factor, which physically associated with APRR1/TOC1 and is a member of PIF3 transcription factor family. It is involved in shade avoidance.
Synonyms:	PIF5, A-PUT2, BHLHB1, PHYTOCHROME INTERACTING FACTOR 3-LIKE 6, PHYTOCHROME-INTERACTING FACTOR 5, PIL6
Immunogen:	Recombinant protein of PIF5 (101-252 aa) derived from *Arabidopsis thaliana* AT3G59060.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum
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℃ 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 (1:1000-1:4000); Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	49 kDa, 20 kDa (recombinant protein)
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Recom: 1 ng recombinant protein containing the peptide for immunization and having a molecular mass of 20 kDa.

Electrophoresis: 15% 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.