Anti-General regulatory factor, N-terminal antibody

Catalog: PHY2494A

Product Information

Description:	Rabbit polyclonal antibody
Background:	GRF1/2/4/5/6/7/8 is a member of 14-3-3 proteins.14-3-3s are involved in a vast array of processes such as the response to stress, cell-cycle control, and apoptosis, serving as adapters, activators, and repressors.
Synonyms:	GRF1/2/4/5/6/7/8, GENERAL REGULATORY FACTOR 1/2/4/5/6/7/8
Immunogen:	KLH-conjugated synthetic peptide (18 aa from N terminal section) derived from *Arabidopsis thaliana* GRF1 (AT4G09000), GRF2 (AT1G78300), GRF4 (AT1G35160), GRF5 (AT5G16050), GRF6 (AT5G10450), GRF7 (AT3G02520) and GRF8 (AT5G65430).
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.

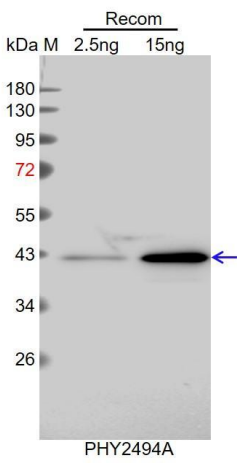
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	30 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 *Zea mays, Vitis*

vinifera, Brassica rapa, Glycine max, Solanum tuberosum, Brassica napus, Panicum virgatum, Oryza sativa, Triticum aestivum, Spinacia oleracea, Nicotiana tabacum, Gossypium raimondii, Populus trichocarpa, Hordeum vulgare, Cucumis sativus, Setaria viridis.

The sequence of the synthetic peptide used for immunization is 94% homologues with the sequence in GRF3 (AT5G38480), GRF12 (AT1G26480) and GRF9 (AT2G42590), and 89% homologues with the sequence in GRF11 (AT1G34760) and GRF10 (AT1G22300). For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Recom: 2.5 ng and 15 ng recombinant proteincontaining the peptide for immunization and having a molecular mass of 45 kDa.

Electrophoresis: 12% SDS-PAGE.

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

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

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.