Anti-Gibberellin receptor GID1A, N-terminal antibody

Catalog: PHY2166A

Product Information

Description:	Rabbit polyclonal antibody
Background:	GID1A is a gibberellin (GA) receptor ortholog of the rice GA receptor gene (OsGID1). It has GA-binding activity, showing higher affinity to GA4. It interacts with DELLA proteins in vivo in the presence of GA4. Arabidopsis has three gibberellin receptors, GIBBERELLIN INSENSITIVE DWARF1 A (GID1A, AT3G05120), GID1B (AT3G63010) and GID1C (AT5G27320).
Synonyms:	GID1A, ATGID1A, GA INSENSITIVE DWARF1A
Immunogen:	KLH-conjugated synthetic peptide (14 aa from N terminal section) derived from *Arabidopsis thaliana* GID1A (AT3G05120).
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.

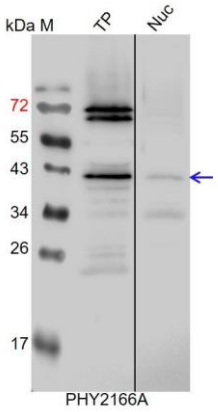
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	39 / 40 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used

for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus*.

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

Application Example



TP: 40 µg total protein from *Arabidopsis thaliana*.

Nuc: 6 µg nuclear 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℃ 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.