Anti-Gibberellin receptor GID1A antibody

Catalog: PHY0868S

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 (16 aa from C terminal section) derived from *Arabidopsis thaliana* GID1A (AT3G05120).
Form:	Lyophilized
Quantity:	150 μg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
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

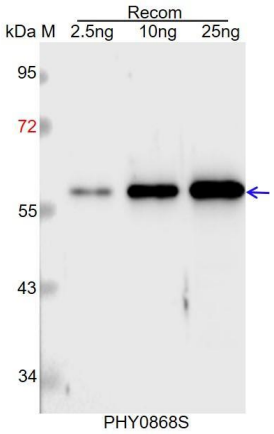
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	39 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in

Triticum aestivum, *Populus trichocarpa*, *Brassica napus*, *Brassica rapa*, *Vitis vinifera*, *Solanum tuberosum*, *Solanum lycopersicum*, *Nicotiana tabacum*, *Gossypium raimondii*, *Hordeum vulgare*, *Leymus chinensis*, *Oryza sativa*, *Zea mays*, *Sorghum bicolor*, *Medicago truncatula*, *Glycine max*.

The sequence of the synthetic peptide used for immunization is 88% homologues with the sequence in ATGID1C (AT5G27320), and 81% homologues with the sequence in ATGID1B (AT3G63010).

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

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 58 kDa.

Electrophoresis: 12% 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.