

Anti-OsGA1/D1/Os05g0333200 antibody

Catalog: PHY4177A

Product Information

Description:	Rabbit polyclonal antibody
Background:	OsGA1/D1 is the α -subunit of the heterotrimeric G-protein (GPA1). It localizes to the plasma membrane and endomembrane system. It functions as a key signal transducer in multiple pathways, including gibberellin and brassinosteroid signaling, and regulates plant height, grain size, and disease resistance.
Synonyms:	Os05g0333200, d1, GPA1, GA1, OsGA1, RGA1, dwf1, XA7, RGA, D1/RGA1, D89, TGW5, OsTGW5, SRG5, OsSRG5
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Oryza sativa</i> GA1/D1 (Os05g0333200).
Form:	Lyophilized
Quantity:	150 μ g
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 μ l of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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

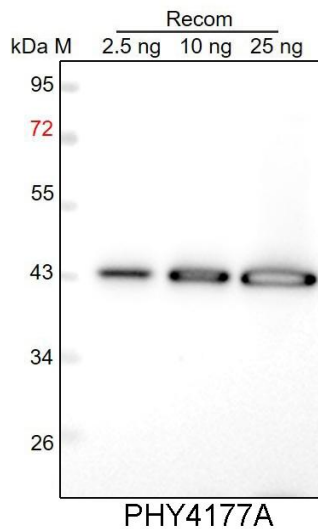
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	44 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Zea mays</i> ,

Research Use Only

Triticum aestivum, *Hordeum vulgare*, *Sorghum bicolor*, *Setaria viridis*, *Panicum virgatum*, and 80-99% homologues with the sequence in *Populus trichocarpa*, *Glycine max*, *Gossypium raimondii*.

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 43 kDa.

Electrophoresis: 12% SDS-PAGE

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

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

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.