Anti-OsPIN2 antibody

Catalog: PHY4613S

Product Information

Description:	Rabbit polyclonal antibody
Background:	OsPIN2 is an auxin efflux carrier localized on the plasma membrane in rice. It regulates root system architecture by controlling root elongation and lateral root formation through modulating auxin distribution. Additionally, OsPIN2 influences tillering, plant height, and enhances aluminum tolerance by promoting vacuolar sequestration of aluminum via vesicular trafficking.
Synonyms:	OsPIN2, LRA1, PIN2, OsLRA1, WAR1, OsWAR1
Immunogen:	KLH-conjugated synthetic peptide (17 aa from central section) derived from *Oryza sativa* OsPIN2 (Os06g0660200).
Form:	Lyophilized
Quantity:	150 μg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com.
Reconstitution:	Reconstitution with 150 μl 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.

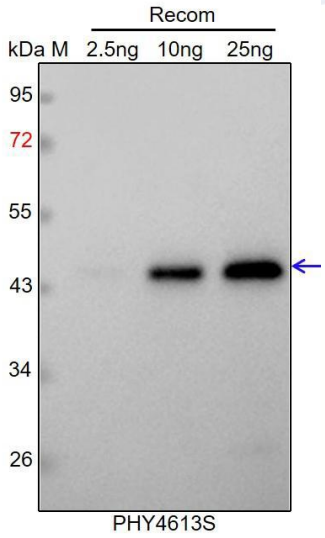
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	70 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used

for immunization is 88% homologues with the sequence in *Zea mays, Setaria viridis, Panicum virgatum, Sorghum bicolor*.

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 45 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.