

Anti-OsD14 antibody

Catalog: PHY4587A

Product Information

Description:	Rabbit polyclonal antibody
Background:	OsD14 is a strigolactone (SL) hormone receptor and α/β hydrolase in rice. It forms a complex with D3 and D53 to activate SL signaling, regulating tillering in response to environmental cues like low nitrogen.
Synonyms:	D14, d14(d10), dwf13, d10, d14, D88, HTD2, OsD14, qPPB3, D88/D14, OsHTD2, HTD4
Immunogen:	KLH-conjugated synthetic peptide (15 aa from central section) derived from <i>Oryza sativa</i> OsD14 (Os03g0203200).
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 &	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Storage:	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

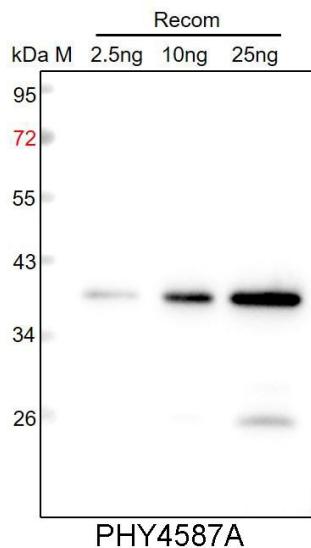
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	35 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Hordeum vulgare</i> , <i>Triticum aestivum</i> , and 80-99% homologues with the

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sequence in *Sorghum bicolor*, *Setaria viridis*, *Panicum virgatum*, *Cucumis sativus*, *Arabidopsis thaliana*, *Brassica napus*, *Nicotiana tabacum*, *Brassica rapa*, *Solanum lycopersicum*, *Glycine max*, *Populus trichocarpa*, *Spinacia oleracea*, *Vitis vinifera*, *Gossypium raimondii*, *Physcomitrium patens*, *Medicago truncatula*, *Solanum tuberosum*.

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 40 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.

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